



U91428,614
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TECH CENTER 1600/2900

ATTACHMENT
to #8

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE
POLYPEPTIDES ENCODED THEREBY

<130> 8535-0029-999

<140> US 09/428,674
<141> 1999-10-27

<150> US 60/106,442
<151> 1998-10-30

<160> 1008

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<223> Primer

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<220>
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ctggcgaaa gcattcggca agattatccg gctagcacag ccttcaagga ataaatatct 180
aacaccttgt tccctttgcg gttcaaaagc cactgtcaact ggggtacata ggcagttta 240
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taaaaattgtt ttattaattt gtt 143

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tgtaatctcc cccaccctt agaagggtct ttgtaatctc ccccacccctt aagaatgtt 180
tttgtaattt tccccaccct tgagaatgtt ctgtgtgaga tctaccctt gcccacaaaa 240
cattggtcc gactccaccg cctatccaa aacctataag aactaatgtt aatcccacca 300
cccttgcgt actctttt cggactcagc ccgcctgcac ccaggtgaaa taaacagcc 360
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 agatcttggc tcactgcaac ctccacctcc caggttaag tgattctcct gcctcagcct 180
 cccaagttagc tgggattaca ggaagaaaaaa tggactaaa aaggaaaac aatagcaaca 240
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 gctgtgctaa gagcagtctt aggacatg aggagacaac tttctgccc ggggctaagg 180
 actgaacctt ccaggtctac atttctctt gccatactgc tctgggtctt gggggttgac 240
 ctgaatggac cacacagcc tggtgtctcc tgcctccac cttcaactgtt gaagactggg 300
 agtgaggaag aagagtgaga ttgcaccctc tctgcaggac catggcaga ccctgcccct 360
 tacctcttcc caggggtctc tcttctctcc tattaacttc ttccatttc cctnattaag 420
 cccttgnntt tggtttttt gganattgccc ggccnnncacc ttttggaaaa ttg 473

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 <211> 403
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<400> 16
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 ttttcaaaaa tgtctgactg catcttttgg acattataaa aaccacatgtt gggaaaaaacg 120
 ccagctattt caatggacca acaaagttagt acatccaaagt gagccaagaa gtcctcaaag 180
 cccttcctaa aggtggagg aacacatgaa tatatacatc aaatcccttcc tccacagaga 240
 ctcaactgaa ggaatgaga agggaaaagt ctccttaattt attaagatgc gttccttggg 300
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 tacttaataa tcaggggaga tttaagcaaa tgggagaccc ctt 403

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 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

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 ctgcctcagc ctccaaagt gctgcgat aaggcacaag ccactgtgcc caaccaagg 120
 gtcttgcctt gtcggccagg ctagatgtca gtggcgcaat ctggctcat gcacacctcc 180
 acctccccggg ttcaagcgat ttcctgcac cagcctcccg agtagctggg attacagggt 240
 cttaccacca ggcccgacta aatttttttgc tatttttagt acagacgggg ttccggccacc 300
 ttggccaggc tggcttgcac ctcctgaccc tggatctac ccacctnagn ntcccaangg 360
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<210> 18

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<211> 486
<212> DNA
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ctgcctcagc ctcccaaagt gctgcgatta aaggcacaag ccactgtgcc caaccaaagg 120
gtcttgctct gtcgcccagg ctagagtgc a gtggcgcaat cttggctcat ggcaacctcc 180
acctccccgg ttc aaggcat ttcctgcca cagcctcccg agtagctggg attacaggtg 240
cctaccacca ggcccagcta attttttgt attttagta cagacggggt ttgcaccc 300
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ctgggattac aggtgtgaga gaccgcaccc aggacaccta ctgaggttct gaatgnttt 420
ttcnnttctt ttccttttc ctttaattt gcccaaagtt tnatccttgg cttttttac 480
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<212> DNA
<213> Homo sapiens

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cccggcccaa aatgaaagga gccccaggcc tctcaaaaaag tatgaaagaa ctggaaattca 240
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taccctatg gagttcctgt tttcccttag atagttacat ttcttccctg ctatataaac 360
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tgnagaacct ggttaaaggc ctt 443

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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tgggattaca ggtgtgagcc actgcacccg gcttagaaat ctttcattt ttcaacatg 180
aatcctgctc tttagaatcac agagtacaaa gcttccttgtt acaggtgggg aaactgaggc 240
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<210> 21
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<212> DNA
<213> Homo sapiens

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atgaaatcct ggactactag actaatctg ataccaaaa tggaaagagtt ttgggtatc 180
ttggagagg acattttgtt tgtgcttgca tt 212

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<211> 456
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

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tagagaanat ggcttagggta gagcacacaa ggagagcagg ttcaagggaga gatgaagatg 120
agacccaaagc gggaaagagtgg aaggaaaaat taacctcccc ttgctgagac gtgtgacact 180
caaggcccaa atcagaaaaac ttctgttga ggaaacattt ctctttctc catgactgt 240
ggtgttatcc atctgtcaga ctccctgagc cttgatgccc ctcaactcctt ctgctgtgga 300
gttaggaacgt gaaacacacaaa cagtcatccc tccaattcct ccaacccatg ggggattgg 360
tccatgancc ctaacaaaaat accaaatttc atggatgttc aagtccctta ttgcaaattgg 420
gcatggatt tgcataataac ccgatgcaca tcccccc 456

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<213> Homo sapiens

<220>
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tttgcctaaa tgcaggacag agatttacaa gataaaaagac atcctgcccc tttttttttac 180
cagggngaac aaaggttaac cactgaagac agtttttagac cattatctgc caggagtagn 240
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tttcccgac agaagtccnt cnnganaccn naaagtccctt tttttttgt 350

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<212> DNA
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<220>
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<213> Homo sapiens

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tcttcacc taagccnccc aaagtgcctgg gattacaggc atgagccacg actcccagcc 180
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ntttnngttn nntnttaatac ccgcctt 267

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<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

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agagtatcca gaagaaaacca accctccaaac acctggattt cagactctcg accttnagaa 240
gtgngagcca attnancatc tgttagtgnnt tactcttctt acctnaaann tataaaaata 300
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<212> DNA
<213> Homo sapiens

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tggggcggatc acttgaggc aggagttcaa aaccagcctg gccaacacgg taaaaacccag 180
tctctactaa aaataaaaaa acattagccg gatgtgggtgg caggcgcctg taatcccagc 240
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ccgagggtcac accattgcac tccagtcgtt gtgacagagc aaaaccagta gcagaggaaa 360
gagggtgaaa tgcagaaaaat gactaatgtt tttcatagta agnccgctat ccatttgntt 420
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<210> 29
<211> 260
<212> DNA
<213> Homo sapiens

<400> 29
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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ctgaagggtgc tttggcacct ggagactact ngagccagcc ttggccgggt tctaattctga 240
actcagatca cttcccagct gtgtacttt ggacaagttc ttaacctctc tgcctctg 300
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ccagcactt gngaaggcca aaggcaaaa caaatcaattt gaggttcang nagttttaa 420
agaaccagtc ctgccccaaac cantggnttg aaaaaccctt nttnntna ctaaanaaac 480
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<210> 32
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<212> DNA

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<213> Homo sapiens

<400> 32

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CTGATTTTT TGGATTGAC GTCAAGGCAA ACATCATTGC AAACTCAATT CCAGCATGCC 180
AGCTCCAGAG CACCGTAACC TTAAAAct TGGGATTGCG CGGGCGCGG TGGCTCACAC 240
TTGTAAATCCC AGCACTTCGG GAGGCCGAGG CGGGTGGATC ACCTGAGGTC AGGAATTG 300
GATCAGCCTG CACAACATGG TGAACACCCCG TCTCTAC 337

<210> 33

<211> 274

<212> DNA

<213> Homo sapiens

<400> 33

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GAGATGCACA GGGAGGGCGC TGTGTGAAGA TGATGGCAGA GGTTGCAGAG ATGCTCAAAG 120
AGCCAAGAAC ATCAAGGGCC GCCGGCACCA CCAGAAGTCA GGAAAAGGCA AAGAGGGTTC 180
CACTCAGAGT CTTGGAGCAT GGCCTCCGA TGCTTGATT TCAGACTTCT AGCCTGCAGG 240
ATGATAAGAC AGTAAATTCC TGCAgTTTA AGCC 274

<210> 34

<211> 290

<212> DNA

<213> Homo sapiens

<400> 34

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TCCATTCCCA GAGTCCAGGC CTTCATTAAC TCACACGAGA ACTACAGAAg CATCACCCCT 120
AGTTCTCTA TTAGTCACTC CTCCtCAACT GCCTCTAATC CATCCATCCA TCTATCCGGC 180
ATGGGTCAcTg TAAAGTTACA GCTGAGAAGG TACTCCCTCT CTTAAACTCG TCGGGGCTCC 240
ATGTGGCTTC AAGATTGAAA ATAAAActAC TGCGTATGGT ATATAAActT 290

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<211> 384

<212> DNA

<213> Homo sapiens

<400> 35

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ttCATGCTGA AATCCTGGGG GAAAGAAGTG CTAATCAGT TGAGGACATG GGAACATTa 120
ttCTGGAAGA AATTGGGTa CAGAGACAGA CAAGCACCAA GAGAAGATGA TGTGAAGAAg 180
CACAGCGAGA ACACCATGTG AAAATGGAGG ACTGGAATGA AGCATCTACA AGCCAGGAAA 240
tgtCTGAGGC TACCAAGC CAGGAGAGAG GCCTGGAACA GATCCTGCAC TAGAACCTTC 300
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<210> 36

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(516)

<223> n = A,T,C or G

<400> 36

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CnTTTACCAA CNTCCCTGNT TTCCGCTTT TTTGGGGGGa GGACNACCGC TTCCTGAACC 120
AGTTCTGGGT TTCCACTTTA TTCAAAAAGG GGGAAAGTTCA AGCCTTTAN CAAATATCCG 180
GCTGGGATCA ATGATATTc ATTCTGGGT GCCCTCTGGA AAATTACCCC CAAAAATGAT 240

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tttctatgac ttaatcccg acaatttgg aggaaaacct ggtggaaaa agggtgatct 300
catagacaaa gnttggtnca ttccaaagac gccccaaagaa ccagccactg nttcccgc 360
nacgttccc gcccattggg aacggactt tntncccaa aaaaaggta aggccccatt 420
ccnccaaggc ctttgcagg aagnntgcaa ntcccaactt ttttgggtg ttgganggg 480
caaggttnt ttagtgcanc acctttact ttaagg 516

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<213> Homo sapiens

<220>
<221> misc_feature
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<400> 37
ttatgatgga tttattggg cataacccca ttctaagttg aggagcatct gtacatgtat 60
aatggattt cacaagaag tgattgcaga tggtaagt cagatttctc aatgttcag 120
tggtaagtta caataggaa aagggaggg gctanaatga tctttatgtt gtaatttagaa 180
ttggagacat cagtagtact cttatggc ttaatgttagg tacaaaaggta cacctattaa 240
aatattttatg aatgtgacta tatacatggg ttaatatgtt aacatgttac ttgctctgtc 300
agctgaaacg acctaaaagt aatgacttctt gtactccag tagcaatgag cactctcagt 360
gcccgatct tggctttta tatgttccc caataaaagg aaccagggtt cttggaaaa 420
tggccattt taaaattggg gcagggaaaata tgtatgtt gttggagtat attcttatgc 480
c 481

<210> 38
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 38
gacaaactt gcccaaggag aagctcaatg gactgttgac ctcttgttga tggagatcat 60
ctcatctaat gtattttctt ccacaaacag aagtaatttta aatgacatct tggcagagta 120
gccaataatc aacaatggcc acttcttcca ctcccaagtt ggctgaatttga atatgggacg 180
atctcggtt accacaacctt ccgcctcccg ggttgaagcg attctccgtc ctcagcctcc 240
caagtagctt ggattacagg catgcaccac cacactccgc taattttgtt ttttttagtag 300
agacgggggtt tctccatgtt ggtcagggtt gtctcgacc cccgacctcc ggtgatccgc 360
ccgcctcgac ctcccatagg gctgggtta caggcgtgag gcactacgccc cggccataat 420
ttttaaacat tttctgttg gcacctgccc ggaccatnga ttttaatgtt tctacttaca 480
tgatggggaa g 491

<210> 39
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 39
gtctctccaa ttccctcagc tatccgggtt tacataaaatg aactcatcac tagaggcctg 60
caccatcttc ctgctgcctt gcagccacaa ggattaaaca caaccaaagt ccctgcctgg 120
agaaagaggg gctgaatcac acacctcagg atggagaggg tcttcagaga aaggaaattt 180
tcattggggta tgaaaatgtt aaaagctac ccaaagcaca ctacgtacat gcaggagttg 240

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cctaaaagca catatgatta aaaactccaa agaaaacgca aacnctttg gatttacgat 300
actgtaaat agctccccacc tct 323

<210> 40
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 40
gtatattatt aaaagcgatg attgtggaaa tttctgtctt attactgaac acagaggaaa 60
acaaaatctt cctgattgtat gaaaaaccag tggtaagctg gtgacaatga 120
ctccaaagat catccagaac ctgcacacca aggagggatt ggctaaccat ggactgaaag 180
aaggggaccaa ctggatgagg agctggtaaa gccagaaaat ctcagggctg tgctcaccan 240
ggtgacagat gagaccttct gatgctctc tgcccgtgca cacttccatt ctctgagct 300
tttgggtcaa gatctgagct ttcaaggagc acaccaatgg catgaacctc tctgatgcct 360
ctgagcccaag ccttagcatt ctcttcttca tgagctacta cctgtctaca gcagccaaaca 420
actcttctgt caaactcttg ggtctatgcc anggtaaaaa ccataaagna ctgcaggtgg 480
cttaaccctt tgagga 496

<210> 41
<211> 331
<212> DNA
<213> Homo sapiens

<400> 41
aacctctgtc catgagcaat ggatgaccc tc aggacaagaa tgcaataact tggcctgatg 60
ttgtgaagtc acggccatc cagggatggg caagaggatg accagaacca ttcgagagg 120
ggctggaaag ctgcctcactc tatgtggtcc tggctgtgt ctacatgttc ctcactcgcc 180
tctacaacgc tcatggcacg agggagggaaa tggggtgtcag aggctaagga acgtgccc 240
agccctacag ctgggtgtt agtaatctac tgctgtgtaa ccaattgccc caaaattttaa 300
atgtgtaaaaa caacaaagac gtctaactca t 331

<210> 42
<211> 238
<212> DNA
<213> Homo sapiens

<400> 42
ggagggagaaa gatcccatag cagcttgcg gtcccttact gatttatgct ctggaagata 60
agacacgctt tgcaagattc agctgacgca gacctgtgt gtcatttac tttctttgtc 120
ttgctggaaa gaagtgcaaa atacctaagg aaacccctt gtggccctcca ttaaccccaag 180
ctagcaccta ccaaattcggaa atatgattt aataaaattat gcttaaag 238

<210> 43
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 43
cctgctttaa ttcanaaactt gaaggacatg gncccgccgaa gggagaagat tcattcgnc 60
attgaccccg aggganggnt tttnacttc cgccgcctg ggtatgcgggg cttctttnt 120
tcttccaaca cattcttggc ttcattcatg ggcccgaaag aatcttggcn aatggcccaa 180
tgtccccccca agattccccca agaangggtt caccagaat ccctaaaacc atgccgaang 240

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gaaagcttcc catcaaaaat ttggtaaagg gcnatatcat caaaggaaag tattgccacg 300
 aagaaccaat cgggggggaa cnngccccggg angccccggg aagtttccc gggaaagaaa 360
 cgaagccaaa aaagccgcca ntnccctgggg gcctttgcctt gggaaagaaac cttttctaaa 420
 aaanggccac ccttggcc ccttgcgc atcattggga ccttttttc aagctttcc 480
 ctcccccaag ggaatcaaag ttttcttac caccaaactt cttgtgtng gcntttttgg 540
 ggaccaaaaaaaaa tttaaaaagc ttttag 565

<210> 44
 <211> 684
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (684)
 <223> n = A,T,C or G

<400> 44
 tgggggggag cttaccttgg cattttaaag ttcaanaact tggagggggtt tggagggggtc 60
 ccagttacc ttggcaacca ttcaaggta ttttggaaaa aaaggaatgg aattttttgg 120
 ctttcattt tggcaccttgc ccccttttgc gctttctt cggtccaaaa aggaattttc 180
 ccttaaaagg ggaaaaaaat gggggggccac ccacccaaga aaattccctt ggggaagnaa 240
 aatcctggct tcccaaaagn aaaccttggta ttaaccccaa aagnaaattt tggggattct 300
 tggaaagnaag gggtaagnaa agggaaaaat gggaaattcc ggtaaagntn ggggaattgc 360
 cttgccattt tggccttac caattctcc ccttttaagg gaaccttcca aaaaaggaac 420
 ctttttaagg ttcctttcc ccaagggttn ggcaccaaga cttggaattt taaccccttc 480
 cccaaagncct tggttccaaa gggggccctt tccctttgg gggaaaaaac ctttgggggg 540
 ctttccaaa ggcctttgg gaaaggaagg naaaaccctt gggggcctt ttaattttnc 600
 cccnaaggna aattcnaacc aacctttnc cccntttttt ncccttggg gggggaaaaa 660
 agttncctt taaccaattt ttcc 684

<210> 45
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 45
 acatgggggt ctcactgtgt tgcccaggct ggagtacagt ggctattcac aggcacgatc 60
 attgggtaca atagcctgga actcctggac tcaagtgtac ctcttgccctc agctttccta 120
 gcagctagga ctacaggctt gtgccactgc atccaacgtg gaccccttt tttatgccac 180
 aatctatcca gtgccttcg ctaagctttg caatttccct cctatttgc atattaatgg 240
 ttatacttt ttgatttat 259

<210> 46
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 46
 gacaaaaaca atgacagact tgtccgagct accatcgaaag tcttgggtct gcacgcaaag 60
 gatggaatcc cccatctcca ttccaaaaag tttccctacg ggagccctgggt gttgtctcc 120
 ccggaaactgt cctcgccgct gcctgtttt ccctagccat ggttactgccc tgcggggat 180
 tcagcctgtg aaggcagtca aggcatgtca ccactgtcat caaacctaca cccctgtgtg 240
 catgcgcaca cacacttgc acccagtggc acaatgcagg aattaggaa gcaaaggcaa 300
 atcgctgaat agcttagggca cctgatccct gtaagggccc atcaag 346

<210> 47
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 47
 atcaatgaaa caagaacaaa gaggagaatc aggaagtcag cagtatgtct cctttattcc 60

cctatgcttt agagtgagaa gaaataccag aatctggAAC caggaAGTGA gtcctctagg 120
 gatgaggagg tattcagCTG gatggCTTT taaaacATTt cctccAGAGt cttctgcCTG 180
 attaaaaaca gtttCGTCC tag 203

<210> 48
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(213)
 <223> n = A,T,C or G

<400> 48
 ctgagatcaa tgaaacaACg aacAAACGAG gagaATCACg gaATgtcAGC angtAtgtCT 60
 ccttattCC cctatgcttt agagtgagaa gaaataccag aatctggAAC caggaAGtGA 120
 gtcctctagg gatgaggagg tattcagCTG gatggCTTT taaaacATTt cctccAGAGt 180
 cttctgcCTG attaaaaaca gtttCGTCC tag 213

<210> 49
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

<400> 49
 gatcaaAGCC atcaAGCTAC aaATgATCTT acAAATGGAA CCTCAAATGA gtcAGCTCA 60
 cggCTTCTAC cgaggACCCC tggATCAACC CGCTGGTCCC tcaATTACCC tagAAAATTc 120
 ccCTCTGGAG gacACCAAC TGCAggGGCC CTTCTTCACC CCTAACCCAGC aggaAGTAGC 180
 cagaACGACT GCCACACGGT TCCCAACAGC agtTGGGTG TCCTGTTAG AGGCAGGACT 240
 gagAGGAGGT GCCAGCTGGG CTTCCTGGGT caAGGAAGGG ggtNAAAAAA gctngaaAC 300
 tcactcATTt CCTGcatcAG gACTTACTTC agTCCTGTtT t 341

<210> 50
 <211> 337
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(337)
 <223> n = A,T,C or G

<400> 50
 acAAAGAAGT CTCTGCCAG ggtcgTTGt ttAAAGATA ttCTGATGCA aaATGCCAGt 60
 actCTGCTCC tccATTCTAC agATCAACAA atCTTTCTAC AGCCAGGTGC agggggGCTCT 120
 tgcCTGTAAT CCTAGCACTT tgggAGGcca aggCAGGcAG atCACTTGAG gTCAGGAGGT 180
 ttagACCAAC CTGGCCAACA tGATGAAACc CCATCTCTAC tAAACATAcA AAAACATTAG 240
 ctaAAACATGG tGTCGcacGC CTGTCGTCCC anCTTCTNNG gangNTTGAG gcAGGAAAAT 300
 cnCTTGAACC tgggAGGtGG aggCTGcAGT gagCTCC 337

<210> 51
 <211> 308
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (1)...(308)
<223> n = A,T,C or G

<400> 51
gttcagcag agcagctta ccatttggc tggtagggcg agaattatcc tgtgaagggtt 60
attctataga tctgcgatgc ccgggcagtg atgtcatcat gattgagagc agctaactat 120
ggtcggacgg atgacaagat ttgtatgct gaccatttc agatggagaa tacagactgc 180
taccccccgg atgcctcaa aattatgact caaaggaca tctctgaagg tctctgccaa 240
ctccagagct cccgcctga ggaatttgct gggctttgt tgcgantgnc tngaagttcg 300
cccttaa 308

<210> 52
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 52
gctggagtgc aaaggcgca tctcggtca ctgcaacctc cgcccccag gttcaagcga 60
ttctcctgcc tcagcctcca gaatagctag gattacaggc gcatgccacc acgccccggct 120
aattttgtt tttttagtagt agaagggtt tagccatgtt agtttagccag gctgatctcc 180
aactccgacc tcaagtgtatc cggccgcctc ggcctcccaa aatgctggta ttacaggcat 240
gagccaccgc gcccagcccc aggcaacata ttttcttaag gnancttta anaaggccat 300
gcatttccac atttccacac ctttcattac t 331

<210> 53
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 53
tttttagcct ctgaattaag agttctgcat agtagccat ggtgaagtct ggaaacacgt 60
tctcagtgcc tcaaccagca gctacaagtc agagtcaagc ccattatgac cccttcttcc 120
tgcctgagct ttggcccccag atattctgag aggggttggta tcctccaggg catcgacctc 180
acagctctgt cttctgtcct gagctctct cctggcatgt aaattcagga ctcagataag 240
ccctgccctt catagccacc ttggatgctg cgtgactacc tgnaatcan ggaggactgg 300
aaaagacatt agggaggta cc 322

<210> 54
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 54
atttctggaa ataaattcca gaataagagt tcattctgcc gatccagagc cacagttgg 60
agacgctgca ttcccttagatt gaaggcctgg ctccctggatgg acagccctct ctctaaagct 120
actctctcca ggttctggca actgcagccaa aaggccaaa gtgtatgact caggagtgtt 180
acttgaattc ctggAACCCAG ctatgcctga agtcaatcca ttccaggatgc actttcttca 240
ttctaaatct ccctgttctt tcaaggatgc ctgggttgcg aacngggntt ccngganggg 300

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taatgacaaa gnggcttatt cccataaat	330
<210> 55	
<211> 325	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (1)...(325)	
<223> n = A,T,C or G	
<400> 55	
angcaaaaaca tcgcatctt ccattttata ggacaatgcc aactcctgaa gatcttgctc 60	
taagtggtca aagggtgagc atactgcagg caacaaaaga tcgagcatac tacaggcaac 120	
caagggtcaa gacaaattta caggatccct ccctaccgtg gccactaccc agcttcccag 180	
tagtgccttc ctaatttgct gcccatggta atggagacaa atacctgcag aagaacataa 240	
tcaaaaactca aaggaaaagta aggaggagca agtttttta aaagggattc cagttggcaa 300	
tctcttgtt actaattctt gttga	325
<210> 56	
<211> 330	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (1)...(330)	
<223> n = A,T,C or G	
<400> 56	
aatccccaaa ctcaatgagg acacgtttc ctcccgagaa cagcagaatg gtaacaaaaga 60	
acacatgaaa agaaaatgct ttcaaggacc aaaggaattc atctacaaat atggaatttc 120	
cagcatggaa gtcagtgaca aagccctggc ataccccccatt cgccagggtgc gtgagaacac 180	
cgtccagtgg gacgaggccca gcctgcctt gagaagctga gattccacc ctacctggag 240	
ggagctgagc accctcacag caactctgag cccctgactt caaanggaaa cttttttcct 300	
tggttatcag acgttagaggg cgggctttt	330
<210> 57	
<211> 199	
<212> DNA	
<213> Homo sapiens	
<400> 57	
gtggcatgat catggcttat ctagcctca accttctgaa ttcaagagac actcccacct 60	
tagcctccct gagtaactgg gaccacaggc atgaaccacc atgcccagct acctttaaaaa 120	
aaatagagag agagacaggg tctcaactatg ttgttcaggc tggtctctaa taaattgtta 180	
ttaccaatga aaaaaaaaaaa	199
<210> 58	
<211> 419	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (1)...(419)	
<223> n = A,T,C or G	
<400> 58	
actgagttot ttgccttggaa acacgacgag gaccttctcc ttccctgagag gggacacgcc 60	
tttcatcatc ttctgctaag aggcgcctt ccaccaccct gcatgagtaa gacacagcc 120	
ccctgcagca cagaggaggc ttntgtgagt gcccanggca tcaccaaggt cagggagaac .180	

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ctcttgaggtaactngcatttgttcacgaagccgaanagggttgcaggggattgcgtga 240
tccccatctgntcatgggc caccaccca ntccactcan aagataaggc ctcctngatc 300
anatncaatg actcattgca tgttatcccc gcacttttan aagcttangt nggcccgatt 360
ggctgaaccn cattanttt taagaccatn cctggccaan aatggnggaa ccccatttt 419

<210> 59
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 59
ggtttcatca tgttgtccag gctggccttg aactcctggg ctcaagcaat cagcccacct 60
ctgcctccca aagcgtagg attacaagcg tgagccacca ttcctggacc ctcgtatgtt 120
ttctggagcc tcgtatntg atatgatctt cctgcccgtg attcctcaca gtattggctt 180
gccacaccc caggggact gatcacatc tacctggcat tatttcatct gagtnctgn 240
cctancctt ctgcccatta gactgtaacc ttgttttaggc 280

<210> 60
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = A,T,C or G

<400> 60
aatggagcta ccacatggtc aggaggaaga gactcacaaa gaaagatgaa ggttgcagag 60
aggtgctatg gaaatagcac atgctaaagg agtcttctaa gcagccanca ggcgatgaca 120
taccagtgcc agcagaggag gagaaccacg cttcagtata aaaaaaactt cnatgaatca 180
tgcncaatgt ggaaaagtgc aatagacatg gctgaggata aaagaaaaga acgtacacat 240
aatctcacta cccagagaga agcaatgtt acatatttct cttcctcaat gcatatttat 300
atattgtga tattttact gtctgtcaa ttttgcttta attaacatt tagattatg 359

<210> 61
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(70)
<223> n = A,T,C or G

<400> 61
nantcattat gnntnctgtt tncctggatg gactccgact ganagatana cgccattgac 60
gcatactcgg 70

<210> 62
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

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<400> 62
cttgattaca gcagcntgat gctttgcctg gataaaacaaa ngctctnngc naggaagaga 60
cttnggacc agcaagagac tagantngaa acagagttt aacaaggcatc ataaccctg 120
aagcnattt tatcatgatt tcaatttgca tattaagaaa ctaagattt gaaaaaaaaa 178

<210> 63
<211> 167
<212> DNA
<213> Homo sapiens

<400> 63
gtgaagaatg aaggaacatt ccaggatcaa gtttcctaaa atttggaaat aaactgtgga 60
aattctccta agtttagggg gagacagaac cacctagaat cactgacacc ttgattcaac 120
acaatccgca gaccgggtga ttaaataaaag cactttgggt ttttcat 167

<210> 64
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 64
gggcattcaa gataagccat catatccct gtggcctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga cattcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcattcctggc tcaaaaagctc 180
ccctactgag caccctgtga cccccactct gcccggccaga gaacaacccc cctttgactg 240
taattttcctt ttaccttaccc gaatcctata aaacggccccc acccctatct ccctttgctg 300
actctctttt cgactcagc ccacctgcat ccaggtgaaa taaacagctt tattgctcac 360
acaaaaaaaaa aggnnggggg ggnnnnnnc natttgggt tnaaacnnnn gnantnttt 420
ttaaaaggggg ggggg 435

<210> 65
<211> 355
<212> DNA
<213> Homo sapiens

<400> 65
agctggagcc tcacttttc acccaggctg aagtgcagtgtgtgatctc ggctcactgc 60
aacctccgtc tcccgagttc aagcgattct cctgcttcag cctcctgagc agctgggact 120
acaggcatgc accaccatgc ccagcttatt tttgtatTTT tagtagagat ggggtttcac 180
catattggcc aggctggctc cgaatcctga cctcgtgatc cacctgcctc ggcctcccaa 240
aatgctggga tcacacgcgt tagccaccgc acccagcctt atttacctat taaagagcat 300
attgattgct tccaagtctt aacaattatg aataaagctg gtatggactt tcaca 355

<210> 66
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

<400> 66
gatgtggcag aagtgaccct atgttaactca gaaagaccca accttaagag cttctgcttt 60
cctgcttggc acacccctta ctgaaaaacca gctgccaaac aaaaggccca ccatgctgtg 120
aggaaaatcca agccagccag tgaagngaat agtcacatga aggacgacca aggcacagtc 180
atatgagtga agccttcttgc aacattccag cctagctgtg gatgaatgca gcaaagttag 240

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tgatccagtc aacgccataa gcaacagaag aacagcccag ccaagccctg cctgaattcc 300
tgagccatga ttcataagca aattaaacag ttattgtttc 340

<210> 67
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 67
gtatacggccc agatggcctg aagtaactga agaatcacaa aagaagtcaa tatgcccgc 60
ccccaccttaa ctgatgacat tccaccacaa aagaagtgt aatggccagt ccttgcctta 120
actgatgacg ttaccttgc aaagtccctt tcctggctca tcctggctca aaaaggcaccc 180
ccactgagca ccttggcc cctactccta cccggccagag aacaaacccc ctttgactgt 240
aattttcctt tacctaccca aatcctataa aacggccccc cccttatctc ccttcgctga 300
ctctctttc ggactcagcc cgccctgcacc caggtgaaat aaacagccct tggtggttac 360
aaaaaaaaaa aaggggccgn ggggcccantt aanntgggn taaacnaggn ngannttgnt 420
naaanggggg ggaccccca 439

<210> 68
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 68
ggctctctgtc actgaagctg gagtgccagcg gcgcacatcac agctcaactgc agcctcgacc 60
tcccaagggttc aagagatcat cccacctcag cctcccttagt agctggaaact ataggtgcac 120
gccaggatgc ctggctactt tttgtttta tagagacaca atctcaactat gttgcccagg 180
ctgggtctcat attcctgggc tcaagccatc cacctgcctt ggcctcccg agtgctggga 240
ttacaggtgt gagccaccat gcccagccctc gaatttcctc tacttggcct gaagcagaaa 300
gcacacagaca acagagacca aagctnctaa tgaataaaga accccccc 347

<210> 69
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 69
gcctgcact cgatggatca gctggcacca cccagatcaa taaaactggct catctggct 60
tgtggcctcc atccaaggta caactcagtg caagaagaca gcttcgaccc cgtatgattt 120
aatctccaaac ctgaccaatc agcaactccct actccctggc cccctaccca ccaaataatc 180
ctcaaaaaaaaaa cccagtcctcc aaattttcag gaagactgtat ttgagtaata ataaaaactct 240
ggctcccgat tcaaaaaaaaaa aangggccagn gnggcccantt nantnngnan ttanccnggn 300
tgaanttgnt naaanggggg ggcttacc 328

<210> 70
<211> 386
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (386)
<223> n = A,T,C or G

<400> 70
gccaaacatg atgactcaca cctgttaattt cagcaactttt ggaatccaag gccggaggac 60
tgcttgagcc caggagttca agaccagcct gggcaataca gcaagacccc atctctacca 120
aaaaaaaaatt taatttagctg ggcattggtc tgttgtata tagtttacc tactcaggag 180
gctgagatgg gaggatagcc tgagtccaaag aagttgaagc tgcagtgago tgtgatcgca 240
ccactgcact ccagccttgg caactgggaa aagaccctaa ctcaaataaa atttaaatat 300
atatatacac acacacacat atacacacac acacacacat acacacacat atacacatgt 360
atntttgtt ataaatggat aaacac 386

<210> 71
<211> 459
<212> DNA
<213> Homo sapiens

<400> 71
aaactgcacc tcactggctg ggaatgagga tatcttatgg aagattctt ttttggAAC 60
tttttgaact ctctctgtt gcttctgaaa gctgaatgct cttcaaaagg acctgaagat 120
ttctttgtc ctcagttaca tttagccccac atttatgagg cactggtaaa acatttctgc 180
aggaggggagt tatgtgcatt gttcctctt gagaacatt gctcacacta actcctgact 240
gcatgcatt tgcaaatttca cagctcagtg agtgtgtctt cccgttgggtt gtggtttaca 300
atccctgcaag aaatggctt ctatgaggca aaatggataa tggccttttta tttaagtta 360
caaagagttt ggtggcaagg gggtagggaa ggcaacccta aatgcttga atgaattatt 420
gaattgacat ggtccaaagt gacatttctt tttaaatat 459

<210> 72
<211> 528
<212> DNA
<213> Homo sapiens

<400> 72
gtaccagggg aatctatacc tgaaggcatta ctggagtc当地 gaaatttgac tatgggtttt 60
ctgggcattgt gtttcccttga gtatattatg attggaaattt tcccacccctt ttgcattttt 120
aatatatgcc agcatttctc caagatgtat atccctagagc aaaatttctg ggccatagac 180
agagtcttgc tctgtcgccc aggctggagt gatgaggccc gatcatcact ccacctggc 240
tcactgcacc tccgcctccc gggttcaagc gattctctt cttcagccctt ctgagcagct 300
gggattacag agccctgtc atccagactg gagtgcaagt gtacaatccc ggctcaactgc 360
aacctccacc tcctgggttca aagcgattt cctgtctcag cctctcaagt acctggaaatt 420
acaggcatgt gccaccgcac cccatgtat gtcccgatct tcatggatgc actctggta 480
tagaaaatgtc tcattttaa gggaaatacat gccaatgtt gtaaaggc 528

<210> 73
<211> 296
<212> DNA
<213> Homo sapiens

<400> 73
gttcaactca ttgcacttc ctgttagctgt cttagtgacc cttcaggcca gaagcagatg 60
cctgtgtgt gtaccatgcc cctcctgtc ctgaactggaa gagaaaaacgt ggctggcagc 120
ttttttttct tgagaagttc cgaatctttt gcattttttt ctgcggagaag gttcacctgg 180
ttaaacatcc tcaagtccgc agcacagctc cttctggaaag gcacttttaac tggatgggat 240
cctctcaactg tagacatttc tacctccctt tcctgaaata aagcctgctc cagagc 296

<210> 74
<211> 410
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 74
gatgaatgg cagagctggt cacaagctga aggtggctcc tccagtggct ctcacaaacc 60
caaccccctc catgtcatcg caaaggctga ggagatcagt atttcaccac acctttgtgc 120
ttcaacttagg tatcgcaagg aaggaaaact gtctccatct gaagaggaca tagccatgta 180
tctgctttgt tctcttctg atttccacgt tccccaaaat gggcagggct ggcttaaaaa 240
gcaatggaga aaaagttctg gagatggatg atgtgtatgt tctcacaaca atataaatgt 300
acttaatgtt acagaactgtt acactaaaa atgcttaaaa tggcaaattt tacnttatgt 360
attttgact ctctgtctcc cccaaaaagc aatgaaggct cttcctttc 410

<210> 75
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 75
ggcattcag ataaagccat catatccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgtatc catttcacca caaaaagaatg gaaaatggcc tgccctgc 120
ttaactgtatc acatggncat gngaaatcc ttccctggc tcacccctggc tcaaaaagctc 180
cctactgagc accctgtgac cccactctgc cgccagaaaa caaccccccctt tgactgnaa 240
tttctttac taccgaatc ctataaaacg gcccccccta ttcccttgn tgactcttt 300
ttggactta agcccactgn attcaagng aaataaaacaa gctttatgg ttacacc 357

<210> 76
<211> 219
<212> DNA
<213> Homo sapiens

<400> 76
tgaccttggg atctcctgaa ggaaaagcat tggagtagaa gtaagagctg actgtgaaag 60
cctgaggagg agctgcctt ttgttaaggg gtagcaagaa gcccaggcgt ggcagtccac 120
gcctgttaagc ctagcacttt gggaggccaa gatgggagga tcgcttgagc tcaggagctt 180
gagaccaccc cggtaacat agcgagaccc cgtctctac 219

<210> 77
<211> 401
<212> DNA
<213> Homo sapiens

<400> 77
agttgagaaa tagacggtcc acagcggaca acttagaatg gaataaggaa gatgtgttt 60
aggcactacc attggaagat gtgctgggg gaagcccagc ccagcaacat gcggcaggac 120
cacatctcg cagactgaa gacagagacg ttgcagcgc aaggacaact ggcatgcctc 180
acattcctca gtgtgaaaa caataaaagg agggggatg agagaaaaat caaatttcta 240
cgaagagatg tcagcactaa atttaatgca ggtgcaatat tctccaaaca aaggacgttt 300
tgtttctacc gtctgggctc tgtgaaaacc tgctccacct ctccttgct atgtgtttc 360
cttttatct gtgttaaggta gattaaaatg ttgataaccct t 401

<210> 78
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1)...(387)
<223> n = A,T,C or G

<400> 78
ctgaggactg tatcgagnta caaacgtcac cagcaatgaa tgaaagtagc tcatgcggcc 60
catcctcacc agagttagtt tcataactaa gacaaagcaa aacagccgga agcagtgact 120
catgcctgta atctccacac tttgggaggc cagcgaggc ggatcacttg agctcaggag 180
ttttagacca tcctgggcat cagacctcat gtctacaacg gaaaaaagac atttagccaa 240
gcgtgttggt gtgtacctgc agttctagct ccttgggggg ctgaggtgtt agaatggctt 300
cagccccggga ggttgaggct gcagttagct gagccgtat cgtcccgctg cactccagcc 360
tggatgtcag agtgagaccc ttgtctc 387

<210> 79
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 79
aataaaaggca actgctgggt gtgataagct cgtgcctgta gtttgggagg ccaaagcaag 60
cagatcactt gagccccggga gttggagacc agcctggata acatcgcaaa atcttgtctc 120
tacaaaacag aaaaaaatga ggatcgctt agcccccggag gttgaggctg cagtgagcca 180
cggtttaggcc actacactcc agcctgnata actgagcaag accctgtctc aaaacaaaac 240
aaaacaaaat aaacaaaaaaa ggccagcgag gnncnattcag nttggactta accaggctna 300
acttgctcaa aagggggga ctacccagga a 331

<210> 80
<211> 151
<212> DNA
<213> Homo sapiens

<400> 80
agtctcgaac tcctgacctt gtgatccacc cacctcgcc tcccaaagtg ctgggactac 60
aggcatgagc caccacactc ggccacccctc actgatttt tccttcata tttctcttta 120
taagtcttct attaaaatga aaatgcttca g 151

<210> 81
<211> 305
<212> DNA
<213> Homo sapiens

<400> 81
aaaaaggaaaa tgtgatcaac ctaaacacca aggaaagact gtgcacatc tcatccacaa 60
gacaaaacaaa atgcctcttc cagctttttt acaggaaaaaa tcacagatca ataagaaaag 120
ctgatgagaa aacaaagcaa ccagaaaaag gtggcaaacc cacactgtgt atattgagaa 180
atagaactgt cttcaatttag aacaacagat ttgccataat ccataaaatt catgttatga 240
gagtttgaag cagttatgtt caatgtttt tactacaaag tagataaaga ccctccatcc 300
cacct 305

<210> 82
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

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<400> 82
aataaaaggca actgctgggt gtgatagctc gtgcctgtag tttggggagc caaagcaagc 60
agatcacttg agccccggag ttggagacca gcctggataa catcgcaaaa tcttgcctct 120
acaaaaacaga caaaaatgag gatcgcttga gccaggagg ttgaggctgc agtgagccac 180
gtttgagcca ctacactcca gcctggataa ctgagcaaga ccctgtctca aaacaaaaca 240
aaacaaaata aacaaacaaa aaaaaaangg ccagngaggc caattnagnt nggacttaac 300
caggnnaan tngntnaaaa gggggggac 329

<210> 83
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 83
gaaggacact tctataaaaag acggagttgg ttgtacttcc catgaaacca ttattgaaga 60
cacacatttgcataacagca atgagagaaa aagtagattc ccgaggagaa gcactggaaa 120
ttaacataca acataaaatgt gtcataagaa aaagttgaaa atttgtggctt ctaatgagtt 180
atctgaaaaaa cacttaacat gagatacatc tctctaata aattgttaag tgcaactggac 240
aatattgtca attataggca caaggctgta cagcagatgt ct当地acttta ttccacccat 300
gtaactgaaa ctttatactc attagatagc aacttccat ttccacccat tcatggcccc 360
tgggaatcac ctttcttct actctctgct gctatacatt tggctacttt agagatctca 420
tacnaataaaa tagaatacatg tgg 443

<210> 84
<211> 352
<212> DNA
<213> Homo sapiens

<400> 84
ggagacacca cctctttgct tctccaaggc tggttgcgtc atctgaaaag acaatctgga 60
acaagaggac agtcaggcca gccacagtgg ttcataccctta taatcccagc actttgggag 120
gccgaggcag gtgaatcact tgaggtcagg agttcgagac cagcctggcc aacatgagga 180
aacccctgtct ctactaaaaa tacaaaaatc agccgggtgt gatggttgca cctgtatcc 240
cagctactcg ggaggctgag gcaggagaat cgcttaaacc caggaggtgg agattgcagt 300
gagccaagat catgccactg cactccagcc tggtgacaga cgagactccg cc 352

<210> 85
<211> 268
<212> DNA
<213> Homo sapiens

<400> 85
gtgctgaatc caacagcagt ccctactaag cttcctgcac agattctgtt tcctggagaa 60
cctgatgtac aacagttaaa gtgcagagaa accctctgcc aaacttttgtt gtgctttaaa 120
agttatggca gtcaggctcc cttaactgtc ataactggaa cacctttcac ttttcaaaag 180
agctgggtta tctgcttgct gtacaactac aaatatatac ttttGattaa gaaagtttag 240
aaaaaataaaa agcagttaa ttttagccc 268

<210> 86
<211> 179
<212> DNA
<213> Homo sapiens

<400> 86
gtaacccttc agaatgttga agactgttgt acaaagtaat taatgagctg ccctggatct 60
gaggcaagcg acggaagagt caagatgact aaaagtcttc tgataaaaggg ttttttaag 120
aaaaagaaaaa tcccacaatag caaccagcaa tgttaatctt caataaaatac gctgttaat 179

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<210> 87
<211> 362
<212> DNA
<213> Homo sapiens

<400> 87
gactggtgcc cttacaagga gagtaagtac caccatca gggccaccct catctaccag 60
agagctctcc ctctgtccat gggcacacag agaattggcc atgtgaggac acagtgagaa 120
gacagccatc tgcaaaccag gaagagagtc ctcaccagaa cccagccctg cccgcacctt 180
gatcttggac ttccagactc tggaaactgta ctaaccagaa gttcaagcta ggggttggag 240
aaggaaggctc atacatacag aagcaagaac ctcaccctt agaactgcta tgaaaatcaa 300
acaaaatgtc atttgtaagt agtcttcctg tgctggacta aattaaaaga actttgcagc 360
tc 362

<210> 88
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 88
tctgactttg agccaggact tgaagcagac actatggctc atgcagaaaa gaaacttctt 60
cccacaagac tgccagcgaa attttgcaga ctcaagatgt tcggagagtt tggacaatca 120
tcacagttt tggacgccta tctgagacca tcttctgtga agtttattca gctcataagt 180
gtgaataaaa aattgctaaa tgtgaactca aagagacagt gcagtttac atctgagtcc 240
actgaatgca tcacagaagc agcatgtgca gcaacaggag tccaatagcg tcaaccacca 300
ggaaacaagg atcacggagc atgtgagaaa atgtaattt agaaggctga tcaaggaaca 360
cactaaaatt ggaggcatga aacacttggc gaaatggtcc catnggtcca tctgggatc 420
ctggaaacaa g 431

<210> 89
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 89
gttggaaatc caaccaccaa gttctgctga acgaatgatt ttataatcg ctaactctgc 60
ccacgatgga nagcaaaggc cagtttccaca gacccaaata catttggct ctgaacgaca 120
tggatttggaa ctgnngaggat ccatttacat gtgattttc ttctgcctct gccgtcccag 180
agacagcatg accagccact catcctccctc ctcc 216

<210> 90
<211> 260
<212> DNA
<213> Homo sapiens

<400> 90
tttgc当地 atttccaaat ataatttctc atcggatct cacaaccacc aaatacgacc 60
aggcattatt catctgattt tatagatgag gaaatcaagg gtcagagaag tgatgtgact 120
tgc当地aggc ccacagatgg taggtggcaa agccaggact tggaaatccaa gataaagaaa 180
actcagtgaa aaggagaagt ttgtgattaa atccaattaa aggaatagag taaaataaag 240
aacacagtaa attttcacc 260

<210> 91

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<211> 265
 <212> DNA
 <213> Homo sapiens

<400> 91
 atgatgaaaa tgatccttag aggagcattg ttaataatca aattacccaa gaatgatgcc 60
 tactctgaat ccagatgtct gacttcacag gacaaaacca ctgcattac tgttctcaaa 120
 tgatttattt taagaattta cgcttctaaa ttaatccct gagggtaatg ggttatgtct 180
 taaaatatgt aatggAACat taaaaaaatg aattcttct tgcttggtt cggccaaat 240
 gtaaataaac tgaatatcaa atact 265

<210> 92
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 92
 atccctctg acctgctgcc cctggcctt ctccctgcccc agtggggctt tagcacaact 60
 gaccgctgt ttcctgcgt ctgtggccag ggaactcatg tggtaagca ctctggagtt 120
 tgcttgcg aagaagtgaa atctacaatg caaatatcca gatctcaaa ccctggtaaa 180
 atggcagtga ctgaagctca tgccccaccc cccagctgtg caacctggg gcaagtcaact 240
 tcacctctc gggcttcaac ttccctcctt gaaagacaga atgccaacat ccattctgcc 300
 tcttgccaag atgtttata gactgc 326

<210> 93
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 93
 acggagttc accatgtcgt ctaggctcat cttgaactcc tgacctcggt tgatctgccc 60
 accctggcct cccaaagtgc tggattaca gaaggagcc accatgcctg gcctggagta 120
 tataagtgtc taagaacctt gttcaaaataa gaaggaacca gaaaacccctt cgttatagca 180
 attgtctctt cttggaaatttgc ctccagatcc ataacatctc tcttcatgtt cgggatgtgg 240
 atttcatgaa gatatttga aggtgctgtc gagacaatgg ggctttcta tataaaca 300
 gtttttatta gctttttgc ttatctggat tttactgcta attaattaaa gcccaataact 360
 ttttcag 367

<210> 94
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 94
 ctgcccgtg tttgacattt ggtgattgtt ttcctttcct gggacagccg taacaaaacg 60
 ccacaaactc agcagcttca aacaacccaa atggattctc tcacagctt ggaggccaga 120
 aggccaaacac tcaaggtgtt ctgggaccgt gctccctctg aagccccccag ggaagaatg 180
 ctcccttgc cctgcccagct cctgggtggt gccggcggtc ctgctcgctc cttggctt 240
 agacacatct ctcccatctc tgcctccacc accgcgtggc cttctctgtg tgtctgtgtc 300
 cagatttccc tcatataagg gcatcagtca ttggactggg gccatcctca tacaacatgc 360
 ttttagcctt g 371

<210> 95
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(415)
 <223> n = A,T,C or G

<400> 95

gtc当地atctg gataactctct gctgaagaca accaatatta atgaatcaca ctacagagtc 60
 attgtctacg atcccaaagg aaacaataat gcgagtacaa caaatttcc ttgcaagaga 120
 aaatcctgca aaactactta acagaataac actggtaat gctctaatt tacattttt 180
 aaaccttata taatgttttca aaatatgcac gcaatccagg tgcagctta actaaaaatt 240
 cagtc当地attttagttaggttct tggagcaaac atctttcatc aaatatttgc 300
 ctcactacta gcctctctcc atataagaaa ccatcatttc tctaaaaaaa aaaccacaag 360
 ttgttttattt tccacaatag gnatctaaaa gatcattttt aaaaaaaggc agctt 415

<210> 96
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(407)
 <223> n = A,T,C or G

<400> 96
 gtggaggtgg ggaggagctt ttgcangctt gttgaactaa gaagctgtga cagggcgtga 60
 gatatgtcag caatgctggt ggtgccagag gttctgaag ggtctcaactg tggtgcctat 120
 gctggagtgc agtggcacaa tctcggtca ctgc当地accc tc当地tccgg acttaaacg 180
 ccctcgatcc tccc当地ctca gc当地ccggag tagctggac cacaggtgca taccacgaa 240
 cccggctaat tt当地tgtgt tt当地ggtaaa gacgggcgtt tc当地catgtt actgaggctg 300
 gtctcaaact cctgagctca agtgc当地ttac acgc当地cago ctcccaatgt atattttctt 360
 tgcttccaaa atgattgttg agagtaaagc ttttgc当地tta cacat 407

<210> 97
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(306)
 <223> n = A,T,C or G

<400> 97
 agtggntgag gaattgtcaa ttgcttcaact aagtaccatt aatacggcaa gatagcagta 60
 atc当地gttcca cagaagtc当地tca atc当地ttctca cccctgggatt gntaagatct agacatggc 120
 tt当地ctgtatt gccctcaaact tc当地tggctc aagtgc当地tct cctgc当地tccgg ct当地cccaat 180
 tacaggctgg acttcatgtg gtatagcatt tctt当地aaatgt ct当地aaagag tcaactctgt 240
 aatataaagt cctcatatga atngattcta agtgc当地tgc agccactaat aaacacacat 300
 gcttac 306

<210> 98
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(209)
 <223> n = A,T,C or G

<400> 98
 ctgntgc当地tctcgt cagc当地ttgaa caccctcccc accttggggc tctgctgccc cacgc当地ggagc 60
 ccccaatttca acngatgcag acaccccaaa gccc当地ttccc aacagccc当地ga agagaagccc 120
 tc当地ctgt当地aaag agacagcaga gaagcagagc cccctgggac gcccccaag acctccacgt 180
 ct当地ccccagca cccggc当地gggg gggtggtgc 209

<210> 99
 <211> 229

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<212> DNA
<213> Homo sapiens

<400> 99
aaggctaaag ctctataacc attgaaagct ggctggggga aaagaagaag aggcaaaaag 60
atcaactgaa gaataaaactg ctgtcatgg cacaaaagaa taccacaaag attatttaca 120
aaactcgaat caggagttaga acagacctcc atgtggaaatg tcaattatgc taagagggaaa 180
gaggaaaggg gaagagttt cagaaataaa ttaatgatga tgataaaact 229

<210> 100
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 100
atgangtgcgtgctggaca acgctgcctt tgggcttcgg cttggaccgt ggggaggcag 60
acaatgatgtttaggat taaatgacaa ccagccttct gttatttctg gaagattttg 120
gaacttccag agaaggcagg agtgagctgt cggggaagga acgacgtctc cttcaggaat 180
tggccagc acttgggtca tgaagccctt ctctgtgtct cctccgactg gaataactcat 240
cacgtcctct tagctgataa caatagctga ctttaataag tgtagngctt cctatatatg 300
tgtatgtg 308

<210> 101
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G

<400> 101
ttcatgaaat ggaaagattt tgctggatta tctggttggg ctctaaatgt attcaaagt 60
ttcttagaaag aaagaggcan agaaagagct gacacacaga agagacgggtg atgtgaagac 120
agtggagaga gagagatctg aaatgctgcc cttgaagact ggagtgaagt ggccacaagc 180
caaggaatgc ctgcagcctc cagaagctgg aaaagacaag caatggattc tccaccagat 240
cctccagagg gagtgcagcg ctgccaacac tttgaactca gcccagttt aattattttg 300
gacttctcca gaactataaa agaataaata tttgaaacc 339

<210> 102
<211> 75
<212> DNA
<213> Homo sapiens

<400> 102
aaagaacgtt ttctggagaa agatacgagg tgccacatca gagatactta ttaagaccaa 60
taaaccaaaa tacgg 75

<210> 103
<211> 489
<212> DNA
<213> Homo sapiens

<400> 103
atatttcctg aacacctact atgtgctgca agtactgaga tccacagtgc aatccggcag 60
ccagggagca cccccgatca cagacactgt ggccccgcaa tggatggcg cttccattgc 120
tggagctcac tttcctgct ctaactgcag gagctggaa tttgaactgt ttctctcact 180

```

tctgggtccc agcatttaga acagggctcc actcacagca gccacttgc ctgaagaagc 240
 aaatcccgcg ggattgtttc agtcctggca cgtgtgaaat gcctgccaag aactgcagag 300
 gacagagaca cagtgttca aaagggttga atggcaactt tatcatggac atttttgtga 360
 ttacaatatc tacatttctt ggggggtctc agaatcacag aaattatttc aagtttagtcc 420
 gaggctgctc aacgctgagg tcaaaaacatc tgagagaaaa ggttaagtaa aaaatctggt 480
 tggttcttat 489

<210> 104
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (390)
 <223> n = A,T,C or G

<400> 104
 gaaaggccagc tgccatgtgg tgagtgtcaa ggcctctgag cccaaagctaa gccgtcanat 60
 cccctngac ctgcacgtac acatncagat ggcggaaagc anctgaagat ccacaaaaga 120
 agcgaaaanta gccttaactg atgacatccc accntggtna ntcgntcctg ccccaactcta 180
 actgagntga tatattctcc cctncaccccc acttaagaag gtactttgca atattcttcc 240
 cactctttag aatgnaaatt tgtacaccta tccccaaacc tataaggaac taatgataat 300
 cccccccacc ctttggctgg actctcttt tcaanactca ggcccaccct tgcnncccn 360
 aggtggaaat aaacagccct tgggtgttca 390

<210> 105
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (361)
 <223> n = A,T,C or G

<400> 105
 ttgacgggca gtaaatattc aagacaatga tganggcattt atccantgtg atatncngn 60
 tgnnnngncnt aactgaanan attgcaccac aannnaagtg natatggnc tttcctgcct 120
 taactgtatcatgggttg tgaaatttctt tctccaggct natnctggnt caaaagctcc 180
 cctactgagc accctgtgac ccccaactctg cccgccanan aacaaccccc ctttgactgt 240
 aattttcctt tacctacccg aatcctataaa aacggcccca cccctatctc cctttgtga 300
 ctctcttttc ggactcagcc cacctgcatt caggtgaaat aaacagcttt attgctcaca 360
 C 361

<210> 106
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (433)
 <223> n = A,T,C or G

<400> 106
 gggcatttcag ataagccatc atatccctt tgacctgcac gtacacatcc agatggccgg 60
 ttcctgcctt aactgtatcatgggttg atttcaccac aaaagaagtg aaaatggct tttcctgcct 120
 taactgtatcatgggttg tgaaatttctt tctccaggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac ccccaactctg cccgccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctacccg aatcctataaa aacggcccca cccctatctc cctttgtga 300
 ctctcttttc ggactcagcc cacctgcatt caggtgaaat aaacagcttt attgctcaca 360
 caaaaaaaaaa aaggncnggg ngccaattc agntnggact taaccaggt gaacttgnnn 420

aaaagggggg gac

433

<210> 107

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(387)

<223> n = A,T,C or G

<400> 107

gttaagcact gggaggcaca gatgtatgag gacttgccat ctaggagtca gagaatcagc 60
acatatcttgc tcatgtcata gctgaagagc tgccacctag acctgttcct gctgcttcac 120
tctggtttc ccatggccca tatggaaagg aaccagggtt gggctaccac catttttgc 180
tcccagattt gaggatgggt gaggcctctc catcccagct tccctggata acttagttt 240
agcttatgac acatattctc taaaaggcaa acccatgagg tgtattcaca aagaggacat 300
caaatcccac ttggagtctt gtgtcattaa accattacag tcagccctcc atatccctaa 360
gntctgcattc catggattca accaccc 387

<210> 108

<211> 327

<212> DNA

<213> Homo sapiens

<400> 108

gtgtatcctc acccttctac gctccatgg gatcttcctg ccaagatttt tctccaatca 60
aaagtccatc ttccacttcc tctttggaaa aagaatgcgt aacagtctca ctactgcccc 120
tcacctattt cctttcaactg acatctcccc aagcccaact atcattttct gcctttaaaa 180
aataactgga atttatataa atcaatccaa cgcttatcat agaccttgggt tcacagtatg 240
cattaaataa tgtattgggtt gatcattcct tctgcagtgt caagcactgt gccaggcaac 300
agtgattaaa aataatgaat gaaaccc 327

<210> 109

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(287)

<223> n = A,T,C or G

<400> 109

attttncata tggcttagaa gaaacaagct gacatgttgt gagctaccca agaagagagc 60
catgggacaa ggagctngaa ccagtggcca gcaagaaaact gaagccctta gtttaacagt 120
ctacaaggac ctgaacactg ccaacaacca catgagcttg gaaacagatt cttcctcagt 180
caaggtttna gatgagaact tcatccanag tagcactagg attgtgctgt acctggcttc 240
ctgacagaga atctctgaaa taataaatgt gtatttttt aagccag 287

<210> 110

<211> 129

<212> DNA

<213> Homo sapiens

<400> 110

actgtatccc agccactatt tttccctcaa cgtcactaaa tgcaagggaa taatgaaacc 60
acaggagaga aaaaagcagc tgtctgaata aaagaagaaa gagtagatg cacagaaaca 120
gacggacat 129

<210> 111

<211> 462

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 111
tttgcacacc atggattaca gagcaaaacaa aacaaaaccc caaggacaaa ataaagaagc 60
agaacacccctt gaagaaaagag ctgattccaa ctctgaagtgg gaaaatgttat aggtggcg 120
tggtagaaga tcagaaaaagct atcaaaaaca attgaggaca tggtaaaaga actcaggtga 180
caaaaaggaa tcccactggc caaaaatggg acaatgaagt ctatccatc ctcctcttta 240
ctgtggtccc cagaactgtg tcttgaacat ggcaaaaact tggtcagctg tcatgagaag 300
ttttagtggatc agaccccttgc cgggaatcat caatgaaaagg gccaaggaga tgagatggag 360
cattgttaatc aacaaaatgtg cttAACCAA gaagggtgn cccttattta attaccccttg 420
anaatgcttg tnttttaacg ttacaaggta tggcaagaca at 462

<210> 112
<211> 257
<212> DNA
<213> Homo sapiens

<400> 112
acatgccatg tgctggcat aggaagtgtt gtttcagcca ccccaaggag caaccatgag 60
tccagcgtgc ctgctcgta cacctcctcc tacccctgag cgccacttct gagttgctca 120
tcagcatccc cagctcccag atggctgcct ttgtccccctg cttcacacgc atggatgtga 180
aaggaggcagt agattaagaa agacccaaga taacccgtga aagatattca ctgtggattg 240
acaataaaag ccattag 257

<210> 113
<211> 91
<212> DNA
<213> Homo sapiens

<400> 113
agacaatctt actatgttgc ctaagctgat cttggaaatcc ggaactcaag taattctccc 60
cctcccaagag tgctaagattt acagttaaaa g 91

<210> 114
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 114
aagacaacgc gaaaacagaa gcnnngatca gagngatgca gtcacaaaatt ncacaatncc 60
aggccnnncac acagcagctt ggagaggcaa aaatangaac cctgattctt ccctgcanc 120
cctggcagga gtgnngttct actggggttt ggacttctaa cctccaaaat tgnnaaagaa 180
taaatttcng ttgcattaaag tcctc 205

<210> 115
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)

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<223> n = A,T,C or G

<400> 115

cccttgcgttt tttggagttt taaaactgaa gccatgtggt cacgtttaaa tggcagagta 60
ttaatcaact gaaaatnntt attntgaaa tccaaaggca ataaaaccct gtggaagcnc 120
ccacccctta cccattactc aaattcagac acnannagac tgcgtctgtc ttcatcctca 180
ccatgatgac ctttcatttc aagcaatgga atatttacag catcatagtg gagcttgggg 240
tacaagtggg gcatggtgct gatagccctg tggcggtgg gacactgccc tggtggtggc 300
aactggtgcg tgcttcagtt ctccctccctg atcctcagcc acgctaagt cggtgtttgc 360
tgcgcaactc agcgtcgctg ctgccccctgc taatgagaat tacattgtca tctaataagt 420
acttcccttg agtnccatgaa aataaaaaaa aagtcttaaa aagg 464

<210> 116

<211> 288

<212> DNA

<213> Homo sapiens

<400> 116

gtgagaagaa tacttgcattt cttctgcctt ggccctttgg cacagcagct cttagaacat 60
aactgcctca ctcggagaaa gctggagaga cccacaagga gaaaaaagga ggctcccagc 120
caacaaccag cacagctttg cagcaaaatg agtggccat cttagaagtg ggctggctag 180
atcccggtga accacccac ctactctcc tggaaacagac acaaggccatc cggctgagcc 240
ctagtcaaat tacagattca tatgcaaaat aaatgcttat tattttt 288

<210> 117

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(419)

<223> n = A,T,C or G

<400> 117

ggggatattttttccata anacctgcct gtatgtttc ttcgtccgtga atcatgtcta 60
tacccatcaca aaggataaaa accaaaggca ctagagcaga gtcgtttggat ttttctgaat 120
atggaaagca nccatgcatt acattgaagc atattccaac gtcagggAAC agagcactgc 180
ttcctgtccat tgcaccgca aattccgtgc tgagtgttac tgcgcAAAG gacatgttag 240
gatgccacaa cgggttctcat ctggcccggt atactcacag gctgatgtng tacactagaa 300
agggagggct ctttccaagt tacagaacctt attttgcattt atttccctggg aaagaattct 360
gctacaagct ttaatcaatg taagaaatgc tgcactaca ttaaagtaaa ctgtacatg 419

<210> 118

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(469)

<223> n = A,T,C or G

<400> 118

aaggccctc gagaagtgtc taaaggagac aagttgatag ccaaacaaca gttttggatt 60
cactgactga ttatgaaaga agcagtagac tggatcaag aatcagtcg catgttcttg 120
acatcctga gggcaggagc cagcctgtac gaccacccct ggcagaggct ccccaagcagc 180
agctgctctg acgagatgtc ctcccgaggag agagcaacac tgggtgggaa aagcccaagct 240
ctgagaggcg gagaAAAATGG gaagatcacc accttaggtgg gagggccggag aaagggataa 300
agaggagtac aaaataaaga tgaccttctt gcctaccagc aggctgagaa cagatggggg 360
agatcaactg tttagaaatat tttagagtgc agcaaaccac catggccat gttcctgtc 420
tacaaacccctg cacgttctgc acatgtttcc caaacnttaa ataaattaa 469


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<400> 122
ccaacccccc agccagagga ggcctcgta cccagttcta cccaaacaga cccaaacaga 60
agcacctgac aagaaagtgg ttatgttct agagctgcat cagctattta taaccatgat 120
ggcaagtccc agagaactgg tcttgccatc actgagcagt tgaaccaata ccagcatcac 180
caacttcctt gtatatgaga aaaataaact ctatttctt t 221

<210> 123
<211> 389
<212> DNA
<213> Homo sapiens

<400> 123
gaaccccccgg agcttctcgcc atcgggtggg accggcatcc ggtgagaccg cggtggctct 60
ctggggctga aaattccaag cagagttagcc cgaggaatcc agccatcccc gagggttcag 120
aaatgcaaat caggcgtgtg tattcacagc ctggactgga gatcgaccaa aaactatgca 180
gggctcaccc ttgcggggcg gcggctaaat ttaggaaacc aaccatctgg agaatgcagg 240
catcagaagc ccctgcagct aggaggatca attcaagtt catttttatt cactgttcat 300
agatctccca gttttccctt gcgtgttcaa gctggaaagg atttcagaga ttgtgtcacc 360
tagatttatt ttacagaagg aggaactgt 389

<210> 124
<211> 261
<212> DNA
<213> Homo sapiens

<400> 124
aagacaaggc cgtggctatg ttgcccaga tggtctccaa ctcctggct taaacgatcc 60
tcctgccttg gcctcccaat gtgctggat tacaggcatg agccactgtg cccagccctg 120
aaacaatatt cttgatacat aaagaacttc tgtaagtcag taagaaaaac actaacaatg 180
taaatattaa aggacataaa atagctaatg tacaaaaagt agaaatgtt cagttataa 240
acaggagaaa tgcttaacct c 261

<210> 125
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 125
gtggggtctt tcagtggaga agtgtggaga agggaaaggag gacctggact gcaggtggag 60
gaggaccaag gaggctttaatatacaag atcaagcgtg ataagatggg gttttgctat 120
gttgcgggt ctggctcgta actcctgggg tcaagtgtc tgcacccctc ggcctcccaa 180
attgctggga ttacagacat gagccaccgt gtgcagcctg cctctgtcct tctgaaaaaaaa 240
agatggtaca gtcaagatga cctagctgtac acctggctac tagaggacca aggagaaaaaa 300
taaacttcta ccacgcttcc gaaaacaagc actcaaactc aggagatact tgattgaagt 360
tggaaaaagg ggngcattcc ccaaggcagt accctcatga atgggattag tgccctttaa 420
taaaagagac ccaagagagg tcccttgctc ctcc 454

<210> 126
<211> 238
<212> DNA
<213> Homo sapiens

<400> 126
accctgaatg ccaacaacca gtttgaagac ccccacagag gaacggatca gcatgagaat 60
gcaggtgggt cacctccctg tcccatgttc accctgcatt ttgcacccaa tcaacaaccg 120
ccaaaggctgc cccttccaa aacccttaaa aactctaacc caaaactcctc agagagatgg 180
atttgaggtt tcctccctc tcattcggtg gccctttgat taaaccccttc tctgctgc 238

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<210> 127
<211> 208
<212> DNA
<213> Homo sapiens

<400> 127
gacatccttc ccattgacac tggaggggcc aactacatgt tttaatcaga gcccacagct 60
gcccacaccc actgcagagt gagctactct ccaccaaccc tgcagccctg aagtttctgt 120
gaccactgaa gaggcctgtt ttcagactta gggtaaagt gtgggtgacc tccaacacct 180
actgttagtga aggaataaat gtcaatag 208

<210> 128
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 128
gcttcactga gaagatgaac cngccgatga ggtgtgcaga gaactttggc tgcacaagtt 60
aagaggaaga ggctgagtct cagctcagag agtgctggta atgcacaagca cagcagagct 120
gcccagggga tctactttgaa atctggggag gccctggggaa gactaactgg tacaatttaa 180
agagatgcaa agcaaatgtat atgcggggca atcatgtgaa aagcctgctg ccttacaggg 240
tggactccag ctgctcagtg ggacgggctg ttgggggctg gtttttgta gggcaagagg 300
gccccggatg gagtgatgga cactctaact cactactccg ccgtccaata cagtcagat 360
tgnttaaccaa ctctaaaaaa taaa 384

<210> 129
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 129
acgaaatctt gctctgctgc ccaagctgga gtgcaatggc acgatctcag ctcactgcaa 60
cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tcccaaccag ctgggattac 120
aggcacccac gaccacgccc ggctaatttt tgtatTTTA gtagagatgg ggTTTcacca 180
tgtnggccag gctggttca aactcctgac ctcgtgatcc gcccacctg gcctcccaa 240
gtgctgagac tacaggcatg agccaccgcg cccagccaag cagacacttt tctaatacat 300
tttctgttca ttgtacaaat taattcttaa tgaatgaaga aattatTTTA atctac 356

<210> 130
<211> 252
<212> DNA
<213> Homo sapiens

<400> 130
gcccctgcact cgatggatca gctggcacca cccagatcaa taaaactggct catctggct 60
tgtggcctcc atccaagtac caactcagtg caagaagaca gtttcgaccc cgtatgattt 120
aatctccaaac ctgaccaatc agcactccct actccctggc cccctaccca ccaaataatc 180
ctcaaaaaaaaaa cccagtcctcc aaatTTTcag gaagactgat ttgagtaata ataaaaactct 240
ggctcccgcc 252

<210> 131
<211> 456
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 131

tgtgaggata	caactggaa	ctaaagctgg	aagatgccag	acattcagca	gggagttccc	60
tcatcagcag	ctggctaact	ggggaaactga	aagtccacaag	gcgcctcggtt	ctgataactc	120
catgaaaatt	cactctgggt	cagaaatcaa	tcttggagt	tctgaacatg	cagctttct	180
catgggcctt	ttggagaaca	atcagctact	cagccatcag	agccttttt	gctggatggc	240
aggcaggaac	tgacagcaaa	ccatcgtctc	tacaacacgc	agaagatcag	caccaagtct	300
ccattctccg	aaaacatgtg	tccatgcagc	tctcccangg	gaggtctgcg	ctgcagtgg	360
angcccccaag	aagcgtggga	accancttc	atcgcataa	ggaaacncag	agttgtacct	420
ccagatgcca	ggcggagcgg	cgacgtgacg	cacgg			456

<210> 132

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(462)

<223> n = A,T,C or G

<400> 132

atggctcacc	tgaaatttct	gacaacctgc	ttcagctggg	attaatttct	ttgaagtgaa	60
atcagtttaa	ctgaggaatc	aatttgcttc	cttccatata	tgccaaggaa	aaactgtaca	120
tagacattga	cccacaatac	ctgggtgacc	acgggatccg	caagagatgt	ccaaattatg	180
aacttccatt	aaaaaaaaac	ggtggttcta	tggctgcctg	gaatggccat	atthaattgc	240
tccccaggat	aatagcattt	attgttaaac	ttgctagaaa	cataacaaaa	acgtaaatgc	300
taatcttaa	aataagcagg	actcctatca	catccttctc	ttgnggctt	tttccctata	360
cccctgttt	gggaaccggc	ttgtttgan	tngaaaaagg	ctctggaaaca	ngggattctc	420
acctcancac	tgttnacatg	tgggacccaa	aattttggaa	aa		462

<210> 133

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(356)

<223> n = A,T,C or G

<400> 133

gggcattcag	nataagccat	catataccct	gngaccngcn	cgcncacntc	ttagatggcc	60
ggttcctgcc	ttaaccgatg	acatnccacc	acaaaagaag	tgaaantggc	ctgttcctgc	120
cttaactgtat	gacatggct	tgtgaaattc	cttctcctgg	ctcatcctgg	ctcaaaagct	180
ccctctactga	gcaccctgtg	accccccactc	tgcccgccag	agaacaaccc	ccctttgact	240
gtatatttcc	tttacctacc	cgaatcctat	aaaacggccc	cacccctatc	tccctttgct	300
gactctctt	tcggactcag	cccacctgca	tccaggtgaa	ataaacagct	ttattg	356

<210> 134

<211> 245

<212> DNA

<213> Homo sapiens

<400> 134

aaggagctga	gtctccccag	aagaggaagt	ttcaactgag	cgattctctg	acagaacatc	60
gtggattgag	aggaaataag	aatgggtgtg	cctgctttag	gattacacag	tgctggacct	120

ttgaggaagg agaagcagag atggatagaa ttgttgcggc agaactgagc ttgtatactt 180
 ggtcctgtgg aggatatcta ctcttcctcc agctgcgtag gtttttgta 240
 aagct 245

<210> 135
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 135
 atgttcaaa gaaacactgg gaactttccc ctccctgagg aacttccata gatgtacacc 60
 tttggctcc atcccaaact tgctgacctg tgattgtca tccactgcca gccatctcg 120
 tcctccacct gcacccggga cctgttgcggc tgacccatg gacaatctcg gttccatcc 180
 agctccacct tgcgctctct ccactctga atgcatgaa cccaaaccaac tggtcatgt 240
 gtttattttt catttccctt tttgttcta tgaagtgtt tttttttttt ttaacctttt 300
 tacttgccctt gaatcctttt tggaaataga tgaggtctaa attaaaattttaataaaataaa 360
 caccgaacat agcctttta aaagt 385

<210> 136
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 136
 gacgtctggg gagctcctgc attaagtcat gaactgaggc tggcactgca cagagatgga 60
 acctgatgaa acggccccat ttgagcgccct gctgtatcgc gttggctctg cttcctgcag 120
 ctgtgctcca agatgagcct ttcagacatc gctccctaat agctccatct ccccccagtcc 180
 agaggaggatgc gcatttccctt cctcattcac atgcaccact tcaagccatc tgacgctct 240
 acaggggact tgccgcctaa catcctaattg tgcacccca tccaaatcct ctgctggaat 300
 ctcactattt gcaccactta cgctccnngga gcgtgaaaca gaagggccag tcctcttgc 360
 tctttattct aagtgnntaa tacagattcc atgggcttgg 400

<210> 137
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(216)
 <223> n = A,T,C or G

<400> 137
 gtgggggtctt tcaatctgga tggactccga tntaaccgggt gtccttacaa gaagagaaga 60
 caggacacgc acacaaagcg agggtcagcc atgtgaggac agtgagaagg cggccgtcna 120
 cacgccaagg agagaggcct gggaaagaaac caaccttaca ctttgacatc agacttctgg 180
 tctccaaaac tgttagaaaa taaatttctc ttgttt 216

<210> 138
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

<400> 138
 atatgacatt ggatatgtgt ttggacactt ctgcccggc atccatactc caccactcaa 60
 tagctgctca ttcaggctag taatctcata tgtttggga caactgagct tccagaatga 120
 agagggcaaa ctgctgccag acagagtgc actgtattgc ccaggctgga atggagtgt 180
 gtaatcttg ctcactgcaa cctccgcctt ctgggggttc aagcgattct catgcctcag 240
 cctcccgagc aggccacaa caccacgccc ggctaatttt tgtatttttta gttagagatgg 300
 ggtttgcta tggccag gctggctga cactccttagc ctcaagtctg gtctgcctgt 360
 cctgggctnt taaaagnctt aggattacag gcntganccc cgaccaggnc ctgattttat 420
 ctcttgcata tctggattaa actgtaccaa 450

<210> 139
<211> 330
<212> DNA
<213> Homo sapiens

<400> 139
 gaaacctgccc ggaattctcc ttcttccccc gtcttcacac agctgtgacc ccgaacccgt 60
 ggagtatcg tccttgaggg gctcctgcag cacctggtagt ttggccttgg tgatatggac 120
 cacttgattc aacactcttc ctctggtagt atggacatc cctgaaggca ggaccaatgg 180
 cccgctcatc ctccagagcc tggctcatca tgagcccttg aggtactaat tgaaggagta 240
 aattcacatt ctccctggac atttccttcc actctttctg tgcatactt 300
 ctagtaataa taaatgtcat tttgtttac 330

<210> 140
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(236)
<223> n = A,T,C or G

<400> 140
 agaacctggaa gatctgccc accctccacc atatgaggac atggccagaa gacagtcacc 60
 taggaaccgagaa gaagcaggc ctcaccagac aatgaatctg ctggcgcctt gatcttggat 120
 gtccagcctc cagaactgtg agaaataaaat gtctttgtt tgtaagcaaa aaaaaaaaggc 180
 cngcaggccc aattnagctt ggacttaacc aggctgaact tgntcaaaag ggggggg 236

<210> 141
<211> 250
<212> DNA
<213> Homo sapiens

<400> 141
 ctaccacagc accctctgca acttcaaagg agaaaggac tcagcacaaa tgcccagcag 60
 gagagagtgg aaaaaatggc tcttgtcacc aatggaatgc tctacagcaa ttcaaaagaa 120
 agaaaacacctt ctacatatcg atggaaataa aaaaaaacta ggtgcaatgt ggtgtcctgg 180
 atgaatcctg gaacagaagg agaacatacg aggagaaact gttaaagtcc aaataaattc 240
 tggaaacttttgc 250

<210> 142
<211> 313
<212> DNA
<213> Homo sapiens

<400> 142
 gattttgaag cataagggtcc atctgttggg ggaaggcaag aagaatcagt tcttctctcg 60
 agcacggccc attcatctag actcacgcaa tgactgtgat tccaaaagac tgaccaaaca 120
 ttaccaagtggc ggcaggctac tggggacaat tccggaaaca tttcttaggaa gactggaaga 180
 aatacagtaa tctagcacat atgcaaaaaga atatcaaaag atgaactgtt ttcatacgcc 240
 aaccctttagt aatgctaaca tgtccagtc tcttacagtt cgtcgctagg ttaatagagg 300
 cattcaaaaaa ttt 313

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<210> 143
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 143
gaggaggctc cacctgctgc cggcccacca atacttccgg ctgactgctt tgccgaacag 60
gaaagggtct actttctatt ctcctatatt aacaagatcc catgttttag gtgagcactt 120
tggtcaccca cttaaatgac gacatttctc agactcaattt gtagtagaaat ttatagccat 180
ttgatTTTGT tttggcctgt gagCTGtaag ggaaagtgtt caatgatgca tcaggagagc 240
ctccttaaaa acaaaaaggag aaagtggatg gaggTTTTT ccTTTTTT ttcaccctct 300
tgcctggatc atggtgatg taaaagctaa gttctgataa ctggcttggaa ccatgagaat 360
aaggggccccg ttgtangggg gggggaaaaaa ttngngctgga anaaagaact ncntctggt 420
atgacttcat ggagcttctg cca 443

<210> 144
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 144
acggaatctt gctctgctgc ccaagctgga gtgcaatggc acgatctcag ctcactgcaa 60
cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tcccaaccag ctgggattac 120
aggcacccac gaccacgccc ggctaatttttgtatTTTA gtagagatgg ggTTTcacca 180
tgnngccag gctggTTCA aactccngac ctcgtgatcc gcccaccttgc gcctcccaa 240
gtgctgagac tacaggcatg agccaccccgcccagccaaa gcagacactt tttctaatac 300
attttctgtt catttgtaca aanttaatnt cttaattga at 342

<210> 145
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 145
atggagtttc tctctcgTTG cccagactgg agtgcaatgg cacgatctca gctcaTGca 60
acctctgcct cctgggttca agtgattctc caggctcagc ctcccgagta gctggatta 120
caggcgTccc ccaccacacc agctaatttttgtatTTTC gtagagacgg gattcgcca 180
tggTgtccag actggTccc aacttctggc ctcaggtggc cggccccctt cagcctccca 240
aactgctggg attgcaggtg tgaaccacag tgcccgcccc attcttctt tttcttagca 300
tccctatatt agtctgtttt cacgctgcta ataaagacgt acccaagact gggaaaantt 360
attgntnaca aaaaaaaaaaaa gggcggggggg ggc 393

<210> 146
<211> 281
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 146
cgtacggatg actnccgnan gctnnngaca cnctcgaaat gcgnaangac cnccggctgn 60
gntcgtggac ctgnncngct nccttttagag caagttcaag cctggtaaaa gtccaaagctn 120
gaattggcct ccgcttaggcc tatatngaaa ttcttatata tag ggccgctatg ngccaatttc 180
tttgctttt taccctgggg gaaaggaaat acctcat tag aagcccaccc ttctggtgta 240
tttaccccc naattcttc aacaaagaa aaaaaactgg t 281

<210> 147
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 147
gtctaaccat aaaatcatca atactgagaa attaaaaggg gaacatgtca ggcctcactc 60
tttctgtatt ggcttcaag agtattgtcc ttgagggaaa gccatctcct tcttgacacc 120
atggctaccc tttagaccct cgtgaagccc aagatcatct aagatggacc aagaagttt 180
tccttcacca gtcagactga catatcaaaa ttagatgtac gcatatagca gcaaccaga 240
ggcattgaca acagggtggg gagaaaaatc aaaggcgaga ctttgatccc caacatttgtt 300
tgtgggagca aaaagaagca aaacacatgc tccccagtg tttcaaaaaa attctgnttc 360
ccnatgtca aaaanctgga agtgctgctg atgtgcaaca aatcttactg gctgagattg 420
ctcaacatgc ttctccaaga acggtaaag ccctgtggag agagtaaccc gg 472

<210> 148
<211> 465
<212> DNA
<213> Homo sapiens

<400> 148
agtgcgtcctt gtctactcca ctaccaaattt tgaaagttct tcaagaatca gtcctttgg 60
ggtgatgtca ttgaaaatga tgtagtagaa actccaagag cgcatatttc cacaaaacca 120
gtgaatacat tggcacaaat tgcagaatc aattttat aatttcttggaa aatttagtcaa 180
agtttataatg taaccaagga aacatcttt taaaaagatg gctgaggctg gatgctgtgg 240
cttatacctg taatcccgac actttgagag gccaaggcga gcagagcatt tgagtca 300
gttagagacc agaaaaaaaaa attagctggg tggatggcg ggcacctgta atccctcagg 360
gaggctgagg cgggagaatc gcttgaacct ggaagatgga ggttgcgtg agccaaagatc 420
gtgccacctc actccagcct gggtgataga gtgagactct gtctc 465

<210> 149
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 149
ggcatttcg ataagccatc atatccccgt tgacctgcac gtacacatcc agatggccgg 60
tccctgcctt aactgtatgc atttccaccaaaa aaaaaggatg aaaaatggct gttcctgcct 120
taactgtatgc catggcttgc tgaaattccct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccaactctg cccgcccagag aacaacccccc ctttgcgtgt 240
aattttcctt tacctaccccg aatccatataa aacgncccca ccccttatctc cctttgcgtga 300
ctctcttttc qqactcaqcc cacctqcatc caqgtqaaat aaacaqcttt attqctcaca 360

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caaaaaaaaaa aagggnnggg gggncnattt anttnggant taancngnn gaaattnttc 420
aaaagggggg gact 434

<210> 150
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 150
gggcattcag ataagccatc atatcccctg tgacacctgac gtacacatcc agatggccgg 60
ttcctgcctt aactgtatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgtatga catggtcttg taaaattctt tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctaccccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcattc caggtgaaat aaacagctt attgctcaca 360
aaaaaaaaaaa ggnncnngng gnncnattnag ntnggnctta accnggnnga acttnttcaa 420
aagggggggga ctccc 435

<210> 151
<211> 81
<212> DNA
<213> Homo sapiens

<400> 151
aatcaagatt tcactggatt tcccttgagg tgcacatttc ctggatgatt tccacttgtg 60
aaatagaaga agattcgttt c 81

<210> 152
<211> 198
<212> DNA
<213> Homo sapiens

<400> 152
aaccccagg ttctccaaact acaacagatc tccaaaacaa aacaagcaaa actcagaatc 60
tgatggaaag ctgttttaa aagacaaaga tggtggggaa aatacaatta atatctactg 120
acatctacta caccagccac tgtgaggggaa agtctacatg ttatcttata aaaataaaaa 180
ccccccataa ccaccatc 198

<210> 153
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 153
cccaaaccat aaggncatc tcaccttcac tgcaacaaaag aagggttgtt aaagctggac 60
acagatttgc tcggcttcac cctctgtatgt gttccacacc acttcacgcc acttttcaaa 120
aagatgataaa aacgtcaggc tgagtagaac agaactgggt gcaaataaaat ctctctgaag 180
ctaacttgcc tctctctacc cctacttccc tctgcacgtg ctttgcttt attccctgc 240
atgagagaag cagtcaaatac tttcccattt tcatacctgg attgctgctc aacagcctca 300
acaactgaga cctgaatgta tccccattt aaagaaccta acagaacatt aaaattgttt 360
cctgagc 367

<210> 154

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<211> 408
<212> DNA
<213> Homo sapiens

<400> 154
cttttaagtt tcgggtgacc attttgccc caaggctaa caaaacctg gaaaattgtt 60
acaaaagctg ccaagctaa agaggctaa agccccatt gagtgccgaa gagtcaataa 120
tatctgactc aaagtacga tgattctcc gatacacaaa caaggccaca actacagaga 180
tcgccaggca aacgatcaact gctatcacaa tcccaacata gagagcaaca tcatactgaat 240
caggagcggc tagagaggag agtgaacat tgaaccagct gcttatagaa atttcccaca 300
gtacacatat gtattgctat aatttttca gacatttact gccttttta taggttaatt 360
tcaaatactat ttcaaaaagct atataaaatg gctgtggcct ttcagtgg 408

<210> 155
<211> 364
<212> DNA
<213> Homo sapiens

<400> 155
atcccctaga gacaaagcca gtttgcctga cctctcaacc aaagaacct gacaacttac 60
tccttagcta gtatctccgt atatataaag atgtcaactt catcatcagt tcccgaaac 120
cctctccaaac tgagtactgt attgtatgtt atatgaacaa aaactatgaa agggaaagaaa 180
attgaggccc agagaatgca aaaaatgatt aaattcagag gcaaataact gagaagttagc 240
aaggccaaga acaggcatct aggttacaca tctctatctt cgagtgcatt tttctaaaac 300
aaagggcttg gaccacaaa ccatcacctg gaattgcatg tgtgactgaa agggaggaaa 360
ctgc 364

<210> 156
<211> 291
<212> DNA
<213> Homo sapiens

<400> 156
actccaaata agaaaaatgaa agagtacaat tcaggagatg aaagaaaaagg aaaatccagg 60
aaattcaatc agatctacat gactcatgtt gtgtcaactg caaatttctg atttcaaact 120
aaaaaaaaaa gaaacttcaa ggacccttca aattatgttc aagtcatatg cctgatgaga 180
caattgaatc acattactgg actacattt ttccccttga ttcaatctct tgctgccaca 240
aatatgtttg ttcagtgtaa atggagtgtat aaagattgac ctttctagtt g 291

<210> 157
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 157
ttggggagct cctgcattaa gtnananctg angaaaaaga gaacagcgag gagaaaagga 60
taatagagga aaagagcaga aagaagccat ttatatctga ctgctgtgtt gggagttaca 120
gaatctccct cttcaacttg ggcccttgc agatgggtgc tctacaaagc aaagtgaaat 180
ggacggtttt ccagctaatt tggtttgtat ggacagccaa gctggacact tgccagaccac 240
aaagtctgtg aatgagaacc tggagctga catgagaaga attgagctgg agcctttgc 300
catcaactgaa taaaataactt accctcttgc atcccttacat gtacgactgg cataagacac 360
cagecctgcct ttcacacagc ttgtgatcta ataagataat gcttatgtac ctgttttaat 420
ataaaatagac tgatattaaa atggcacgtt acac 454

<210> 158
<211> 373
<212> DNA
<213> Homo sapiens

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<400> 158
tacaaccaac tctgaagcca agggaccacc tttgcacatg agagacagtc atcaggaagc 60
ccaaactgatc aatatgaaat cagtcattca cggccggcg cagtggctca tgcctgtaat 120
cccagcaatt tgggaggctg aggccgggtgg atcacctgag gtcaagagtt ccagaccagc 180
ctggccaaca tggtaaaacc ccgtctctac taaaaatata aaaactaact gggcacagtg 240
gcccacacta ataccagcta ctggggaggc tgaggcagga gaattgcttg aatatggag 300
gcagaggtta cacagagcca agattgcgcc attgtgcgat ccagcctgg caacaagagc 360
gaaaactccct ttc 373

<210> 159
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 159
tctggggagc tcctgnnttn agntacannt ntagggcatn actganagcc atctatcccc 60
tngacctgc acgtacacat ccagatggcc ggntcctgcc ttaactgtatg acatttcacc 120
acaaaagaag tgaaaatggc ctgttcctgc cttaactgtat gacatggct tggaaattc 180
cttctcctgg ctcatcctgg ctcaaaagct cccctactga gcaccctgtg actcccactc 240
tgcccgccag agaacaaccc cccttgact gtaattttcc tttacccatc cgaatccat 300
aaaacggccc cacccttatac tccctttgct gactctttt tcggactcag cccacctgca 360
tccaggtgaa ataaacagct ttattgtca c 391

<210> 160
<211> 285
<212> DNA
<213> Homo sapiens

<400> 160
gtgcttatca cacatgcagt caatgaacac ctcacaaatg caaggttcac atgcagtctt 60
cgatgaacac atcgatcgca tccagcagta tgctctgtatt ggaaaagtcc ttccatagca 120
cccagtaatg aaaaggaatg tggcggggag cagtaactgga cagtaaaact aaaaacacca 180
ggaagatcac agtgagatca gcagagccct agaatggcaa atccatgaca aagaaaattt 240
ctgatgaata aaaacgtgcc tgggtccagg ccagcaattt gcttc 285

<210> 161
<211> 180
<212> DNA
<213> Homo sapiens

<400> 161
atgccgtttg gagtagctac tttgaggaca agagacaaaa agcctgagga gaaagtccacc 60
atgaaggaaa cagaaagact aaacagcatg cgtgatcttt gattcagagt ccccatctca 120
ccctggactg cttcccttg gaattccctt gtggaaaaaaa aaattaaact cttattgg 180

<210> 162
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 162
gccctgcact ngatggatca agctggcacc acccagatnn ataaactggc tcattctgntc 60

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ttgtggcctc catccaagta cngactgagn gctagaagac agcttcgacc ncntgtgatt 120
 taatctcnna cctgaccaat ctgcnctctc tattgcttgg cccnctaccc accaaattat 180
 tttcaaanaa acccactntc naggtttca agaanactga tttgagtaat aataa 235

<210> 163
 <211> 588
 <212> DNA
 <213> Homo sapiens

<400> 163
 ggtccaaact ttagggtccc caccttggta ctggcaatga aacggacaca gtggaaagaca 60
 gcttggagta ggaaaaggac tgaagactgc agcagccagg tgaacttcta ttgcgtccatc 120
 aagacccaaac ccaaagaaac ccacttggaa ccaggcgaaa gggctcacgc ctgtaatccc 180
 agcacttgg gaggccgagg ctggcggatc acctgaggtc gggagttcaa gaccagcctg 240
 gcaactatgg tgaaaactccg ttctactaa aaataaaaaaa aatagccggg catcatggg 300
 ggtgcctgta gtcccagcta ctcgagaggg tgagggcagga taatcggttg aaccggag 360
 gccaagttg cagtgagctg agattgcacc attgcactcc agcctggcg acaaagcag 420
 actccgtctc aaacaacaac aacaacaaac tacactctag tctggcgcac agagcaagac 480
 cctgtcttaa aaacaaaacaa acaaacaagg aaaccccat tctaactgcc actaattgga 540
 ctatacttct ggtggccat cttcaagctt cggtttgaa taaacctt 588

<210> 164
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 164
 agaggaacaa aatggacaca gtagttctgt gcttctcatt gcaaagttag caacaggacc 60
 aagatccgaa gcaatatcg aggccactgc acccagcagc agagatgaga acaactgaag 120
 ttccaaatag atctatggca agctcaaagc taaggtcata aaatgttcta tggaaagcaag 180
 accatggaa gaactggcac atgtgttgg gaagaggaaa aggttattga gtgcctacta 240
 tggcctaggc actgagctg atgcttccac atattaatgt ttataacttg agttttcatt 300
 aacagctcta atctgtacta ttaataaaaat ataaagaaat cc 342

<210> 165
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 165
 aaaatagttg gagaaatcta aggttggaaa caacatatgt tctctatatt aaaacgtcaa 60
 gagctgtact gaggaagttt gtggagttt tggtagttagt agagacatac tcaggaaggc 120
 tgacccatg gaggctgccc accttggta ttgatttcta cttgatttgc tccttcttga 180
 ttgatttcca ggatctctga aacgagaagc cctccccctt atatgtttaa tcagatattg 240
 caaaatggac ctgagaacga gcctgtcgaa agcagattat gaagggcct atgtttgaa 300
 tatgctgaac tgctttgggt tggactggg gaagattaaa ggcctacaac 350

<210> 166
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 166
 agtgtggat tttcagcaag aagcagctgc tcagtcaggg gctacatgcc ccagcacc 60
 ttgttatctag gtgggtccat ataactactc ccaccaatgg aatggaaagt gatttgagca 120
 cctctaggct gaggggagggtg gaaagtgtat tgcccttcgtt gtgctctt cctccatctg 180
 ccaaacacac acagggggact ccaagacccct agggaaatggaa agagcaaccc atggaaagg 240
 cctgggctgc tgaatcactc agggcaggcc tccaccgggtg gatgtgaccac cagtctgaaa 300
 cacctatgtt ggactgagtg agaaataaac tctactgtgt taagccat 348

<210> 167
 <211> 574
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(574)

<223> n = A,T,C or G

<400> 167

gtggntntgt cctttggac caattatcta acctgggcct ggactccatc taccactgtc 60
 ctgcctggtt cactgcagct cacttcatct tcctgtgcct tctctgaaag ggcccctcca 120
 aaagtccctt ggaaactctc aaacaactga gaaggtgcct cgacatctga ttggccccaa 180
 acctctatac attggacatc ttctgaataa ggctgtgtt tatgttgaa caagcaaagg 240
 gatggaaatctg aagaattctg gggttagtc ctgactgtca ctacatggct gtgttacttc 300
 tgactctgtg aagcagaact cgggcctcta gcgtctgcta gtctagatct aaaggtgtt 360
 cctgagggac agtttggctt ggcatgcagg tacctctgca gaccacaaca gtgcaccgaa 420
 aacacccctt cccagcacgc acacaagtct ggccctcag ccaaacatca aacaccaaca 480
 ctgctgccc tgccagatgc caaagtgaga taatgtgtt tataccctta agtgnngntac 540
 aaagagaaaaa gattaataaa tgtagctat cctt 574

<210> 168

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(240)

<223> n = A,T,C or G

<400> 168

catgtgagta ctcagaagac agctgtctgc aactcagaaa gaagtctcac caaaaactga 60
 agcctaccag gacctgtatc ttggacttcc ctggcagcta gaactgtgag aaaataaata 120
 agtacatatt tggtgtttgc accacccagc ctataggatt ttgttatggc agccctagca 180
 gactaataca tgcngtgttt tgatataaat ttattaaaga aacttctta ttgcttacc 240

<210> 169

<211> 454

<212> DNA

<213> Homo sapiens

<400> 169

acctaacaat gtttatctg ggagtcttcc tcttcatga cattcacagg aggccatatgg 60
 tgtgccaggc cccgtggaca gcactgtgga cacagatgca taataacagt tcctaccttc 120
 cagatagaga ggcaagaaaag ggctgtggaa gcaaacccaa ggtactaagg aagccggaa 180
 gagaacctac tctagacttg gaagttgaag gggtaagaa acatccctag agaagataacc 240
 tgagtcttgc aaactgagaa ggaatttagta accaacaga ggtggaaact ttctgaggac 300
 ggagatggag aggaagatgc tgccagctga gggaccacca ttctgaaagc taggagaaag 360
 tgcgcgtatgg aaagtggcc tgagggaaag gctgtaagca cctcactatt aatcacaatt 420
 ctcctatacg gaaaataaat gctgtttcta ctcc 454

<210> 170

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(262)

<223> n = A,T,C or G

<400> 170

cccaactggct tccttacacc tcctcgaaca cgccagatgt tacctgacgg ctcttgccag 60

aatattctct gcctggaaacg cgcatcccccc agatatccac gtggctaact ccctgaccctc 120
 tttttagtct ctgctcaaat gttatctttt cactcacaca caccnttggc actctactca 180
 aatttacaac cagccaccta cccccagcca aaactctgct agaaaaaaac ggtatttacc 240
 ataaaatgtat tgccaagctt gt 262

 <210> 171
 <211> 297
 <212> DNA
 <213> Homo sapiens

 <400> 171
 atgggttttc gcttttattt cccaggctgg agtgcaatga cgtgatcttg actcaccaca 60
 gcctctgcattt ccaggattca agtattccc ctgcctcagc ctcccaaat gctgggatta 120
 taggcgttag cccgcacgccc tggccagcat tcccaatttt taaaaatgaa tgattggcac 180
 aaatcttaga aagccattttt ctgttagattt gaaagcaatg ctatttacat tgttactact 240
 ttcttggtaa atcttgcattt tctgcagttt gtgttgttaat agaaacctaa gattatg 297

 <210> 172
 <211> 113
 <212> DNA
 <213> Homo sapiens

 <400> 172
 ctggactccg tcccatagat gagctgaagc aaaaggacct tcacacagaa ctttatcat 60
 cagcctgagg aaaagtactc gaaggacaag gccattgggtt gggaaacttac acc 113

 <210> 173
 <211> 466
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (466)
 <223> n = A,T,C or G

 <400> 173
 cagggcttaa gctgactttt caagagatct cgctaaggct ttctgcagat gcttgccaa 60
 tctggctggc cctgctggag gatatatgtt gttaaaggca ggcaggcaga ggcagctctg 120
 gctcgctcc acgtgcactg gctggcttc cagagggac aatgcacccc acagaccaca 180
 gctgtcattt gcccattctt accttcaacc ttaccaagca cctggctca gcacagattt 240
 tcagagaaaa ctttgaacaa agcaacccaa cactgtattt gttagaattgg aagagacttg 300
 gagcctccg aatgtgaccc gactgctcaa atggagaaat gagaagtggg taagctttag 360
 cgcaagcttta cactgnnagg tgggtgggtt aaacgaaaaac ctctggattt ctattaccag 420
 gncaagtnnt actnttcagt ttatcataca nngcttaag gggagc 466

 <210> 174
 <211> 354
 <212> DNA
 <213> Homo sapiens

 <400> 174
 atggagtttc tctctcggtt cccagactgg agtgcaatgg cacgatctca gtcactgca 60
 acctctgcctt cttgggttca agtgatttcc cagcctcagc ctcccgagta gctggattt 120
 caggcgcccccc ccaccacacc agctaattttt tttttttt gtagagacgg gatttcgcca 180
 ttttgtccatc actggtccccca aacttctggc ctcaggtgtt ccggccccc cagcctcccc 240
 aactgctggg attgcagggtt tgaaccacag tggccggccc attttttttt ttttttagca 300
 tccctatatt aagtctgttt tcacgctgtt aataaaagacg tacccaagac tgtag 354

 <210> 175
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 175
 atcctcagtg tcataatgatg gctgctgttag atccctgc当地 agaagataga gtatcttcat 60
 cacaaggccag ttccctgaccc tcccactaga ggagctgaac aaatgtcatg acaatttaac 120
 agaatagagc tacagaaaga gctaacaagaa tagagctact catcatcatc ctctagcctc 180
 c 181

<210> 176
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 176
 gaaagtgttg ttttgctcg tcgactcaag gcctcgagga ctttccccac tttttctat 60
 ggcacacaga gttctgcacg tgaacttctt gctggtaac tggattgcat caaaatgatt 120
 tctctgttag gtactattgc taccaggata tcaattacta tcctaatgtg gacatttgc 180
 ctgatatgca taacaattga aaatagaaaat aagcctctca gggcaatcat ttcaattcac 240

<210> 177
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 177
 ccaccctcct cctaactttg gacagagctt actccagaag acagtcttgg agtagaacac 60
 catggaccaa gtacttgcgg agcatgccca ctgcctcgat ttgtacatgt gcaaatactt 120
 tcttcgccta ttcagaaattt agcagaaact gttgaataaaa gggataaagg agg 173

<210> 178
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 178
 aataactgtgg tatttcctct taaataacaat cttccaggc aaggcatgg attccagata 60
 acacaccaac aatggatcca ttctatgct tcacaaagtc aatcttggag aaagaaccgc 120
 caaaagctgg cacaagcgt agcaccttta cagtgccag gaaaacaacc agaagtcttgc 180
 gggctgcaga gatccaggcc ggcgagaagt ccagagcatc agacaggaag agtttcttgg 240
 gggtaggaac agtactggc acatgcggga taaaagttca tgaaagaagc cgaatcgatt 300
 aaaggaaata aaaaggc 317

<210> 179
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 179
 ggacaacgtc ttgctatgtt gcctggactg aactcgaact acccagctca agcaatcctc 60
 ccaagtagct ggaactacag ggtcgactg ttttatct aagtttaag aatatatatt 120
 tcacccacca ccctcttgcc atgagactca ataaaaat atatacaggc 170

<210> 180
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 180
 gtatcaaag agtcttcagt ttgggtggagg acggatttgc tctaaagctc tttagaagg 60
 gaaagagaag cattctgcag gaaccctaga aatgaaacgc aaccagcaag ctgcatttg 120
 tccagagaag ctcacactcc ctggaaatg gaatattggg tctcaacctg aagagtagct 180
 ggacagagac aggaattcac aaataaaagc tttaaaagat 220

<210> 181

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<211> 360
<212> DNA
<213> Homo sapiens

<400> 181
ggtttcagg gccaccacca tccagacctt cgaaaacctt gcactggacc aacacccatg 60
tccccaggac acctgaccct aaactcgccc gtagggcctg ttgatgcacg ctaggagttt 120
cctgatgatg cccagcattt ccctacctcc ttccctcggt ctaatctcg ccccttctca 180
tctccacagt gctagctgct ctgttcccat tttgtccac ggtccagcac tgggctttc 240
gctgaccgc taccatgtgc catttattta tctggccaga cgctgaggct cagaggttct 300
gcttcctgat acgggacctg gcacacccaa ggagccaaat aaatgtctag ggagcgaatg 360

<210> 182
<211> 362
<212> DNA
<213> Homo sapiens

<400> 182
acctccagcc ttcaaatttc aatcataact tcagctaaaa gcagcggcg gacagacgct 60
gaagggaaatg gacacggagc taacgcacag cgcttccaga gacacttct ccgcttctc 120
gcagctcctc cgcacggcgt cctgtggcg gccaccacac cgcaatctat tctgagttt 180
caagtggaaa ttaaattcct tgttagccaa atgagccccc acttcaatca gcctgaagcc 240
tgtcctccca tcccccaccg ccctcccgct gcagcatctt ttgaatatgc aaatgggaca 300
ccttgctaaa tggtcagcag gattgatcct gctgtttca tcaagggaaat aaaattaaaa 360
cg 362

<210> 183
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 183
gtctgagccc agggagctac ttctggagat gctgtggct ggggtggatc ctgccttctc 60
agccccctgcc ttttgaagtc actgaagtct ctgctgcattc tccgggcttc tgctgagcag 120
ggcttggaaagg tcttgcttga ggagctgaag cccaccagca ggtggcagac aaatccagag 180
ggtattcatt ggaggatgaa gatttccctgc ctctgctcan gattctcagc gtgtggctgc 240
tgcagggaag tcagatcacc tacgtggagg cccaggggcc tggctctgga aacaggaggc 300
agaagctgcc agtctctant cttggccctg gcanctggca taacattact tccccctat 360
tccntcgnntn aaagcagcac aagaacccca ccttnntttt cannangngaa aggggctang 420
gaccccccctt ttcttattt 438

<210> 184
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 184
atggaaagaa gttgttagct tctttctca gaacggacat gtggatttg ggcaaggaag 60
aaaagcaaaa gaaaagccc aaacattcta acgcaggaat ggcgttcgaa gatctgcaac 120
tatactactt ggaaatgatc cccaggctaa agtggccagg gaagtgaccc aaaaaacaaa 180
ttcttcttga ctttaaggc aggtgcaact gtggacagct gaggtcccct ttgaaattat 240
cttgccatcg taggatgggc taggatgact caactctta aatgcatgtt aaagactggc 300

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tactgtattt actacattct ggcctcattt ttttggtta tgatttgaa actcagaatg 360
 aacaatacca cgtgtgtat gathtagtc caaaaaaaaaa aggccagnga gcccaattca 420
 gctnggactt aaccaggnng aacttgntca aaagggggggg ac 462

<210> 185
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 185
 gtctttgca gctgccttgg gcccttagcg cccacgtccc agaccggac ctcttggctc 60
 agatcttgg a tgaaccttagc aaccttggagg acagacaggt aatttcaaca ttttctcctg 120
 tggaggcag aatccctcct ccttctctca aggatatcca tattcataatc tctggAACCT 180
 gttaccttac acgtgaaaaa gaactttgca gatgttaatta agtttatgac ctcatctcta 240
 c 241

<210> 186
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = A,T,C or G

<400> 186
 aaggaccaggc gtgcaggagg ccctcaataa atattaactg aatggatgat tcaagaatta 60
 ttccagtccct aaacatcaa gatttccagg ttagtgc taa gagaactat tcaaactaag 120
 aattgcctgg aagagtggat tctagaagga agaatgggtg actaagantt actcacat 180
 cagaaaaacca gaaaattcag aagatcttag cgatggcacc accaccattt caccagctt 240
 atctagaaac ctggacatca tcattgactc accttgc tgcataatc cagcaagtca 300
 tgacctctct gcttcaat ttttcttga aaccatccat atttctccat tttcaactgcc 360
 actggcccat gccaaaccct catgtctcct ctagagcttc ctacatttc ttctagctag 420
 atttctctca aaccacttta cacagaaaaa ctaaaatgaa tttctttaaa aaacct 476

<210> 187
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 187
 acccttacca ccaccatgag aacaagctca ggctggctg ccagaacatg gaaccaagca 60
 gaatcatccc aactgaggcc atccttaggcc agcccccagc caaccctcag ttgacagcac 120
 atgcataagc aagccctgtg cacatcagct gaacttgtca cagatcagca aaactgtcca 180
 gtcaatttgc agacttccga gaaataataa atggttgc taagcc 226

<210> 188
 <211> 90
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(90)
 <223> n = A,T,C or G

<400> 188
 gtttatttgc angangggtt tnagggatn annnatnnag tctgctgaaa ntatcaccac 60
 cctctggatt anaaggatg tttggatgaa 90

<210> 189
 <211> 261

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 189
gtggggtctt tcaccatcg atgagaacac attgagaatg tatcatctat gaaccaggaa 60
atggccctc accagccacc aaatctgcag aagctttgat cttggacttc cttagtctcca 120
gaattgtgag aaataccntt tgggngtgta tannctggnt aanncaagc tgaangggcc 180
tcgnngccct ntatgantnc tatatggccg ntatggccna ttccnnnnggn gggnaccccg 240
naagaaaatac tcataagccca c 261

<210> 190
<211> 352
<212> DNA
<213> Homo sapiens

<400> 190
gttcaaaaatt tctattacaa attattgcat cctcctgtga agactgcagc ctctcaggtg 60
tcttcatac gactaaaatg aagaggaagc acaaggagaa atctggacac agagacagat 120
gcacacaagg ggaagacaat gtgaagacac gcagggagaa catcacgtga agacagagga 180
tgggaatgac gcttcaacaa gccaaggaac actaaagatg actggcaacc aacagttagct 240
aggagaaggc aaggaaggat tccccatgg gtttagagg gaacacagcc tcgtcaacac 300
cttgatttca cacttctggc ctccaaaact gggagataat aaatttctgg tt 352

<210> 191
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 191
aaacccaaag gccagaagga aatggcaaaa cagtttcat gtgctagaag actatcaacc 60
cagaatttta taccagaga atatatcctt catgaataaa gaagccacag cattctcaga 120
tgaagaaaac tatgagaatc tggtggcaga ccaccctaag agaatgacta agtgaagtcc 180
tctaagcaga aaggaaacaa taaaagaagg aatcttgaa ttcacatggaa ggaaaacatg 240
gaagtcaaaa tacagtggta aactatggaa tgtcagcggtt cagccagatg gtatgtatgg 300
gcagcagaag tcagaattca gtgaggggac actgaaggaa cagataatgg nnctgnntt 360
gcnttggagg ggnntcaat ttgttaatttcc aggttaact gcagaagtgt cttcaggaag 420
gctgcatctg caagccagga agagagaact caccagaaac caaat 465

<210> 192
<211> 134
<212> DNA
<213> Homo sapiens

<400> 192
gattctgaca agtccggagt acgtcccctc atcatcaggg caggaggtaa cgtgctgaat 60
ttaatagcaa agcaaatttt gctggagaag aaatgagatt tctttgtcaa ggaaccagcc 120
ggaggaacctt cagc 134

<210> 193
<211> 421
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 193
agcctgaact tgatggatca ngctggcacc acccagatcg attaattggc tcatactgatc 60
tggggggcccc cccgaccagg gaactgactc agcgcaagga gacagctccg actctccatg 120
attcatccc tgaccaatca gcactcctgg ctcaactggct cccccaccca ccaagttgtc 180
ctgaaacact gtcacccagg tgcttggga gactgatttga agtaataata aaactctgg 240
ctctgggtc tagatccttg aggaatcgcc acactgtctg ccacaatggt tgaactaatt 300
tacactccca ccaacagtat aaataaaaac aaaacaaaac naaaaaaaaaa aaggggccggg 360
ggggcaantt nagtnggat ttaacaaggg tngaattttt taaaaagggg gggactaccc 420
a                                         421

<210> 194
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 194
gcctgcaccc agatcgacgc catcagcgtg gagaagaggc gcatcatgca gcaatgggcc 60
agcagcctgg tggcatgaa gcaccgcac gaggcgcaca gggcggtgct ggaggcgctc 120
agcgtgtccc tagagcgctt cccaaatcaa aatataaaaca ccgctcgatc cccgccttct 180
accacatggc attccgctgg gataacttcta cggggaaagct tcctgcccgg ggcatcgagg 240
gcgttcgcgt ccgtctgtta tggcggtgct gctgttagata accggatccg cgaatgctaa 300
cgctcaccag gatgtatat agcctttttt atattgccta ttaagcccg aatgnnttgg 360
gtctancggg tattgctaag taggattgtg acagtcacgc ccccgccagc ggtgtttcaa 420
agtccccctga cagctcaaca tgggttcaca ctgcangact gtgcacatcc ac           472

<210> 195
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 195
tgaggggcat tcagataagc catcatatcc cctgtgaccc gcacgtacac atncagatgg 60
ccgggtcctg ccttaactga tgacatttga ccacanaana anngaaaang gcctgtnct 120
gccttaacng atgacatggn anttgagaaa nnccctctgn ctggctcatc ctggctcaaa 180
agctncccta ctgagcacccn tgggnnnncc actctgcccgg ccanagaaca acccccctt 240
gactgnaatt ttccctttac ctaccccgaa tcctataaaa cggccccacc cctatcttcc 300
cttgcttga ctctctttt tggactcaag ccccacctgc atccagngtgg aaataaaca 360
ctttatt                                         367

<210> 196
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

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<400> 196
gtcagctgag gagaggaaag gattcttagc ttgagttcac tccagttgcc taatgtcatg 60
cccattgctc aagccatgt ggcctgttg aaggagaact gcttatctgt gcagcaatct 120
atccgagggc ctttggcca ttatgctgt aatgtgacat ctgcagccaa gctctgcagt 180
cagagtctat gtaacaatca tggaaagagta ttcaaaaaac acctgagtcc tccttctatc 240
tgcataatgcc tgaaagcagt ggtaagaaat atgttctaaa caagagttc agattcatca 300
tttctgaaaa taataaacag aagacaataa cagacatgaa gaatggattt gtgtgtcact 360
gctattacgg ctggcatgga ccgtctgtc acgatcactc ttcagatctc ctaagagtga 420
tgaataaggc tcctactatt aacttcaatt tattaantt tctcattatg gcttcttctg 480
ngattctgct aaaaaaaaaatt tagccca 507

<210> 197
<211> 176
<212> DNA
<213> Homo sapiens

<400> 197
ggcccatccc ttgggttttag cctggaagac cagtttgac tttgaaccgg ttggcctaga 60
atttgggtct ttgtactaca aactagattc ccagcttgc ccagccctcc tggagttgac 120
tgctgcctga agaatttctc accatgtaaa cacaactctc ctaaagcagg ccttg 176

<210> 198
<211> 304
<212> DNA
<213> Homo sapiens

<400> 198
agacagggtc tcactatgtt gcccaggcca gtctaaaaat cctgcctcaa gcagtcctcc 60
tgccctggcc ttccaaaatg ctcggattat agccaagagt gtcagggata ctatatgcta 120
atccaacagg actgtggct tataagaaga ggaagactct ctctccacca tgagaagaca 180
caatgagaag gtcgcacatct gcaagccaga aggagagccc tgcgtggag gtcagccatg 240
ctggcacccct gatctcagac ttccggcctc cagagttgga agaaaataaa cgtctgttgt 300
ttat 304

<210> 199
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 199
gcaccacctt acgaactgga cactccgtgg tgacctgaac ggaaagggtgg ctgcccctct 60
gcagctcagg tcttggtaga gaagatctac cataaacagt gtagctacaa aatgctgaga 120
atcagagggt cccacccaaac tgactttaat atccaatgaa gggacagctg tgcctggac 180
tctccacaaa tggtagcgtc atgaagaaca agaaagactg aaaacctgtt ccagattgaa 240
ggaaattaga gatgtgacaa ctgaatacac cttatgatct gggatggat cctagaccca 300
aggacattag tgggtcnatg gcaaaatctg acagaaattc aaggactgct tctctcatta 360
aataagctt tcaaggaaaa aagaatgtnc tnaaagntgg atgaagatgt catttggcca 420
tt 422

<210> 200
<211> 308
<212> DNA
<213> Homo sapiens

<400> 200
gttcgacaca acccgaccag cattccttcc tgataagaga cccctgacca tggagttggct 60
ctgactagcc tatggaggct gcacacagac agtcttcgca tccttggctt caccctctga 120
catataggggc ctactgtaat ccatttaaag gttaagtctc caccggcgcg cgaacatgga 180

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tgcatgctgc acacaattag ccaattatgc atgtctatgc ttcctcttg tgaatattca 240
tagctcctcc tataacctgt tgaatatgtt cattggcca cgctgttcag cataaatccc 300
tgtcttcc                                         308

<210> 201
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 201
actgagaata aaggcaactg ctgggtgtga tagctcggtgc ctgttagtttgggaggccaaa 60
gcaaggcagat cacttgagcc ccggagttgg agaccagcct ggataaacatc gcaaaaatctt 120
gtctctacaa aacagacaaa aatgaggatc gcttgagccc aggaggttga ggctgcagtg 180
agccacgtt gGCCactac actccagcct ggataactga gcaagaccct gtctcaaaac 240
aaaacaaaac aaaataaaca aacaaaaaaaaaa aaaagggccn gngnggccan ttaanttgggn 300
antnanccag gnnnaatnng tttnaaanggg gggacnccn aatntnnttt ttttttatt 360
c                                         361

<210> 202
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

<400> 202
gccaagaaaag gtaaaaggcct cttgggcctg tgatcaaaga gtcAACACTT aaggttttgg 60
cgatgctggt aatgatgaaa taaggcaaca ctggggcaaa cactgttatg gccaatgacc 120
tatgcatcca angcagcttc ttcagcttca agttggaca gtcgagcacc aagaagagga 180
tctacatca gctcttgta ctgggtgtga caaAGCAGCA atctgcctga ggctctgcaa 240
gcctacaaca ttcttttaa catccccaaag ctgaaacac gtaaaatgtc cataagccac 300
agaaaaaaaata aataaagtat ggcattttct tac                                         333

<210> 203
<211> 128
<212> DNA
<213> Homo sapiens

<400> 203
gcggtaaaac acagaccatg aggttgggtt gcaactggcg gcggaggaag cggcgacctg 60
cactggaga gattcattac ttccgtttta cctccggaaa aagctggagt caagttatgc 120
ttattttac                                         128

<210> 204
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 204
tccctctgag agaagccagt tgccaagttt tgagctgctc tatggagagg cccacgtggc 60

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gaagaactaa tgtcttctgc aacagccaa acgggcctta ggcctgcca cagccatatg 120
 actgagcttgaagtgaaatc ttctgagccg gccaaacagcc cgtgatcaaa gccatcaagc 180
 tacaaaatgat cttacaatg gaacctcaaa tgagctcago tcacggcttc taccgaggac 240
 ccctggatca acccgcttgtt ccctcaatta cccttagaaaa ttcccccttg gaggacacca 300
 aactgcaggg ccccttcttc acccctaacc agcaggaagt agccagaacg actgnacac 360
 ggntcccaac aacaattggg gnggtcttgtt taaaagccag aattgaaagg aggngccant 420
 tggcttcctg ggtcaagtag gggctcaaaa agctngaaa ctcactcatt tcctg 475

<210> 205
 <211> 356
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

<400> 205
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 atctaactgc ttaaaatgag agcaggaatg gctgttgct tagataatgc gcaccccaga 120
 gtcctgaaag aacttgcaga tgtgatcaca ggaccatctg aaccggagaa accgggggg 180
 atggagagac agcaaaagac cgaggatggg taaatgagtt ccagatttc caacacaaca 240
 gggaaagggtga cttacgggtc tgtgtgctgg ttacatcaa tggtagctt cagcaaaact 300
 ccggAACAGA tgattgaagg ggctttgtgc cgtattttt taaagaaaag taatga 356

<210> 206
 <211> 344
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(344)
 <223> n = A,T,C or G

<400> 206
 gacctgatgc ttgatttagc atcttgca tccggccctg ctctgcttgg ccatactgct 60
 gccttcaccc tcagctgtt caactctttt ggccactttt tgtaactgccc ctgccaagcc 120
 ctgcttcctg gctgtcaaa gaaagaagtg tttctacag gagatcacaa caaaaggatg 180
 aaatctgggg tgcagggaa gggtagcttca tgaagcttggaa aataaagaa gtaaggaaagg 240
 gagactgtgg aatttaccag ggagggaaac taatatttcc ttttcatatt aagttgtac 300
 tattctggct ttttaccatg atcatatatt atattcaaaa taaa 344

<210> 207
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 207
 agacaaggcc ctgctctccc atccaggctg gaatgcagtg gtgggtatca tagctcaactg 60
 cagccatgaa ttccctggct caagtgtatca tccttcctca tcctccactg tagctgggac 120
 tataggcaca tgccagcatg cccagctaat tgaagaaaaa cattttcaga tggaaattgtt 180
 gtacatataat cttcaagtgtt gtttagaaata tacatcttgc gtattaaatt tatttgctca 240
 g

<210> 208
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (1)...(457)
<223> n = A,T,C or G

<400> 208
aatcttgcta ctctccatca caaggcaaag tctatcttcc tttctttga atctggaaag 60
acacttgta ctgcctcaat gaataggaag aatacagtgg aagtgatgct gcgtggctgc 120
taagaacagg ctggaaaagg ccatgcagcc tctgttcgtc tccctcttgg aacacttgc 180
tttggAACCC tgagttgcca agtaggacat ccagggctgc cgtgctgtgg ggaagccccaa 240
aactagccc cacagagaga ccacatgaaa aaacactgac attgcatgaa gagagggtga 300
tgtgctccag ctgcctaagg ctcatctcc tgctgttcc agctccagaa aacctgaagg 360
ccacagcatn agacccttg nnttaaaccn tttacttga cctgtntga acttngacc 420
aatttnntt tttgaccaa taaaaaataa ttttattt 457

<210> 209
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 209
atgggtcag aagtgggatc tgaagttagag gttgtaacga tccccaggag tgctgagtga 60
acaagcaagt tacctgcaga atccactgtg tccttgcata tgtcacagca gctgggttc 120
ctgactttcc ctcttgcata ccaggctgga gtcaatggc acaatctcg  ctcaccgcaa 180
ccctcgccctc ccgggttcan gcaattctcc tgctcagcc tcccgagtag ctgggattac 240
agacatgtgc caccatgccc agctaatttt gtatTTTtag tagagacagg gtttctccat 300
gttgatcagg ctggtctcga actcctgacc tcacatgatc catccgcccancctnccaa 360
agtggnggaa cacaaancn ctngaccnng gctatntgc tggaaattta ntaannngctg 420
gnngaaccat tccaatcttg gaaagctgca aagacaacat gttaatgatc aacacctggc 480
cc 482

<210> 210
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 210
gtgggaaaac tggggcatca gagaggccaa gcggcttgcc caaggtcaca cagcggatgt 60
tcgagtggaa atggaatgca agcattcaga ctccagaact tgcactgtct tcagaaatgg 120
cctcaagtta gtgggttgct caggggtgaa gagcaaagca aagttcaggg cctcatccca 180
gggtgtgtca cttggcatga gggacgagga ccccatcctc ctctcagctg aggggaagag 240
ctctccacaa tgtccccctg cacggcctc tggctaccct gacaacaagg gccagctctc 300
cctactctcc ctggagtaaa gctggctca ngaggtgcta cccgttgc 349

<210> 211
<211> 350
<212> DNA
<213> Homo sapiens

<400> 211
atctgtccca tcatgtatct gggttgtccc tgggtgagcc ccttgaacca acagattgtg 60
gcagagtgac attgcaccag tctgagacct acacctaag gatgcctggc agtcctgct 120
tttgtgttcc tcggagtcat gagccacgaa gtcaagctac cctgctggag agaccagctg 180
aagaagcctc ttgaagagga cctgagactt aaggctcagc catcccagac tggatgttaa 240
acctccagat gaggccaacc ccacctgcta tctgactaca gctacataga cgacaaacca 300

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cctaagtat tccagtcaac ccacacaact gtaaaagata ataaaagttg          350
<210> 212
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 212
aagacaaaag caaatcagtt ttggcaagaa atgcactcg cggccctgac tgggagagtg 60
actggattga tacaaccatc agttctattc agattatgg aatccagcaa ataatagatc 120
atcagtattt cattcaaagg ctccagtgcg gatctggaaa ttataattac aatattcctg 180
ttaataaaaca cacacccacc aatgtcaagt tctctctgga aataaacaca acagagccat 240
tcatgtctt ccagtgc当地 ttcacccctt gaaatatatg tttccatagt aaaaggggaa 300
ccaaaggat ggaaagccac agagaaatct cccaggagat gacacaggg tatcaagcac 360
atttggagcc tcctggaccc catttttna acagatngtt ccatttccgg gaagctgccc 420
ggattnagct gctgtcaact gatccttatt ttgctggat attctcacc gattactt 478

<210> 213
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 213
agatgtggc tcactatgtt gtcttagactg gcctcaaact gctgggctcc tgcgatccac 60
ctaccttggc cttccaaagt gctgggatta caggcgtgag ccaccatgcc cagccgcttc 120
atctttctt actcatggc gccccattat tgctgtgaag ccttttcta atgttcatc 180
tctccctctg caaagtggc aacagtgaag aaactacatg atttcaggg aatataagca 240
tggaaatgg actaaagaac acagcagggc gggtcgtg gctcacacct acgatcccag 300
cactttggaa ggccaagnta ggaggatcgc ttgaggctan gantcnnaac cngcctnggt 360
caacataaaa aagaancncn cttttcnnaa nnaaaaaaatt taaaantt ggcccaattt 420
ggggggcatn cntnnntngng gntcccagct gnatggcng agggatcact tg          472

<210> 214
<211> 147
<212> DNA
<213> Homo sapiens

<400> 214
gcggggacat ggaggcccac ggagtacctg gcaggcccac agtccacagg ttggaaagag 60
gtgcccacgc cctgggctt aagcctggc tctgaccttc aacgtttgct tttcacacca 120
cacatcatgt caataaatacg ttactgg                                147

<210> 215
<211> 338
<212> DNA
<213> Homo sapiens

<400> 215
tcaacttgct gaaagggaca acattctgga ccacgcgtgt aaccttggcc accatgctga 60
ctctcctgga tgggctgcca tcagggatca taggtctcat gagcagactg tcacccgatg 120
acggactgaa ccccaacagg tggcttgct gcatctatgc accgcccagaa ccccccacacc 180
tcccaatttctt caaatggacg tacagcttc tccttaagtc aataaaacttg aaaaagttgc 240
tttataccgc ttgagtaagt ggtcagcctc ataaggagga gacaactgtg aagataaata 300

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tcatgaaaac aaaacgagat taaattataa ctagacat	338
<210> 216	
<211> 363	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (1)...(363)	
<223> n = A,T,C or G	
<400> 216	
gggcattnac ataagccatc atntncntg ngacctgcac gtacncatnc agatggccgg 60	
ntnctgcctt aactgtatgc atttcacac aaaanaagtg aaaatggcct gtnccctgcct 120	
taactgtatga catggacttg ngaaatttcct tctccctggnt catcctggct caaaagctcc 180	
cctactgaac accctgtgac ccccactctg cccgccagaa gaacaacccc cctttgactg 240	
tnattttcct ttaccttaccc gaatcctata aaacggccccc accccttatct ccctttgctg 300	
actctctttt cggaactcaac ccacctgcat ccagntgaaa taaacagctt tattgctcac 360	
acc	363
<210> 217	
<211> 236	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (1)...(236)	
<223> n = A,T,C or G	
<400> 217	
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ccacaaaaggc agaacagtga cagcagctca gcagcaagac tgctggcac cgggcctggc 120	
tctccaccac ctgactgggt aacttttcaa acaccttcat ttcccaagaa gtaggaatgn 180	
tggaagact aaataaaacat atgtcaagta cttaattacc tgcccacata gtaaaag	236
<210> 218	
<211> 377	
<212> DNA	
<213> Homo sapiens	
<400> 218	
gtactcacaa gctacaatgt aaatcagtaa agaaagagat aactatacca gaatatggag 60	
cctattgata ggactcacaa gattcaaggt gccttgcctt aacagatgtt cattgtcttt 120	
tgacacaccc taaataagag ttctgttagtt aaacaacttt ggaaaaagag gtgtactctc 180	
accctccccc atcataatga acatcagcat gaaggctcta agaagaccca cagcaaagaa 240	
gccgggttcag ttattttaa tctgactctt cacaactta ttttacacca ggttaactttc 300	
aatcttcac agaactaatg ttttgtaaa ttactttga aaaacatcg tcttagaaata 360	
acattatttt gctatcc	377
<210> 219	
<211> 356	
<212> DNA	
<213> Homo sapiens	
<400> 219	
ggcattcag ataaagccat catatcacct gtgacctgca cgtacacatc cagatggccg 60	
gttcctgcct taactgtatga catttcacca caaaaagaatg gaaaatggcc tgccctgcct 120	
ttaactgtatg acatggctt gtgaaattcc ttctccctggc tcacccctggc tcaaaagctc 180	
ccctactgag caccctgtga ccccccactct gcccggccaga gaacaacccc cctttgactg 240	
taattttcct ttaccttaccc gaatcctata aaacggccccc accccttatct ccctttgctg 300	
actctctttt cggaactcagc ccacctgcat ccaggtgaaa taaacagctt tatttg	356

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<210> 220
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 220
gggcattcag ataaagccat catatccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggtctt gtgaaatcc ttctcctggc tcatcctggc tcaaaaagctc 180
ccctacttag caccctgtga ccccccactt gcccggcaga gaacaacccc cctttgactg 240
taattttcctt ttacacctcc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggaactcagc ccacctgcac ccagggtgaaa taaacagctt tattgcttca 360
cacaaaaaaaaaa aaaaggccag ggaggccant tcanctngga cttaaccagg ctganctgn 420
tcaaaaaggggg gggacc 436

<210> 221
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 221
acctgccttt catcttcagc catgactgtg aggccctccc agtcatgtgg aactacggac 60
tcttgcctca tcaccagggtt ggagcacagt gacgcaatct cggctcaactg caactccgc 120
ctcctgggtt caagcaattc tcctgcctca gcctccttag tagctggat tacagagtca 180
taagaagaaa cggtgatgcc tgacaacttg gtaaaacctg agacatgaac attgagtccct 240
ggactcgatgtctggc tcaggacagg atactccaga attcactctg aggccctccac 300
tggcagtca ttggctcgct aagaacatca caccgngggta taaacttcctt ggaagtcat 360
atttaaacat ttgagtttc cttttacccc agcaaggggcc tttatgttgg ctcacaaagc 420
aatgtaatga caatcttgct t 441

<210> 222
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 222
gtgaagttctt gaggccaaga aagggttagct gatttctcca ctggtgacag aatttcgctc 60
tttgtgcccc ggctggagtg caatgacgag atcttggctc actgcaacctt ccacctcccc 120
ggtttaagtgtt attctcctgc ctcagccctcc caagtagctg ggattacagg tggagtcttg 180
ctctgtcacc caggctggag tgcagnggg cgtgatctt gctcaactgca agctccgcct 240
cctgggttccac gccattctcc tgcctcagcc tgccggatgt ctgaaactac aggaagaaaa 300
atggnccttan aangggaaaa ccanttgcac ccaagatcca aattaataacc aaggnagccg 360
gggagaananaa agaaccntgg tggaagaaga gtggaaaagc nttgtctttt ggggggtgaat 420
tgcagaaaga aaataaatta ttg 443

<210> 223
<211> 436
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(436)

<223> n = A,T,C or G

<400> 223

gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
 ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgtgatcatggtcttngaaantcttntcctggctcatcctggctcaaaagctcc 180
 cctactgagc accctgtgac ccccactctg cccgcccagag aacaaccccccttgactgt 240
 aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagttta ntggctacnc 360
 attaaanaaa aaaaggcccn ggggggcnt tccggtnnga attaacccgg gtnannttng 420
 ttaaaaagggg gggcca 436

<210> 224

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(457)

<223> n = A,T,C or G

<400> 224

ctatgaagag cagcccgctg tgggagacac ttagtggccct cgctgactct agagtggagt 60
 gaattgctac cttgctgacc aggaaatgat cgatgcctgg cacctggcag tgaatggggc 120
 gtcctgcgtat gatccgaaca cgcctgttct cagaaatttg cagcacaatg ttgttatcca 180
 agacatacaa tgaattgtcc ataggattt ctgcaaggc ttgttggccac tctaatcgca 240
 cctgtgaaac gaacagaaca cataccatta ggttaccatg tctttccatg gacagtttt 300
 acttgaaaaa aagaaaaaaaaaatttggtgta ttgnntcccc cgtcttatga attttaanca 360
 ccattgggtg atgtctcggaaagtggaggg cagggggagg atggtaatc acatgttctg 420
 gtaaacgtac ttatcattta tgccatttac aatataa 457

<210> 225

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(105)

<223> n = A,T,C or G

<400> 225

cagaactgag gacncagtgn ncatgtaact aactcctggn taagaggata tggtagaan 60
 gcacangng cnacttccng gcttctgctc cttgaaaacac agtaa 105

<210> 226

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 226

gggcattcag ataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60

ttccctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catggcttg taaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac ccccactctg cccgcccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
 ctctctttc ggactcagcc cacctgcatc cagtgaaat aaacagctt tattggctca 360
 cacaaaaaaaaa aaaggccagc gaggccaatt cagctnggac ttaaccaggc tgaacttgct 420
 caaaaagg 427

<210> 227
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 227
 gagacacctg ccactaagta agaagtcag ttaccctgtt ggataaacca catggagaag 60
 gaaaggccct gagatacttg gagagagggg aaagtccagc tgcccacac cttgagcttag 120
 cccagcctca gccaaaccca cccgctgact gcaaacacat cagtgaccac cagtaagacc 180
 agcagagctg cacagccaag cccagcctag attgcagaat tgtgagcaaa taaaatggat 240
 attgctttaa gccacaaaaat attgaaatgt ttttaaatg tagaatgtga tttctaagaa 300
 taaaaagttg caaat 315

<210> 228
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(415)
 <223> n = A,T,C or G

<400> 228
 aaccaaaccac acaccggaga agctgagcaa atgcagtcag ttggatgtga attaccttt 60
 agttgctgac aacagaaagt taccctgaac cactgaccaa gggatgaaaa gcgtccgtgt 120
 actatttagta attctcgaaa tcattcttgtt ccccaaccaa gtatggaaag ccaagtacag 180
 tatcatggaa cccaaattcaa atgctggctt caaagttccc gacttgcttgc cttcaagtg 240
 ccacttgaga gattttaaat gacagtggaa tgcttggttc aactaaaaat tcaaagtgtc 300
 gggacaangt ttatttctga gactcaagag atagtttttgc ctttagttgn tgccattgg 360
 gntgntgggg nnnnnnnnnn aangncagaa aataaaaatct gccactttc tttc 415

<210> 229
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 229
 aattgtgaca ggctccagg acctaaaccc agaaggaagc aggaccatat tgctgcctag 60
 agaaggggat ggagcagatt ccaggacacc gatgaaacag aagcttccat cacagtgtt 120
 tctgctaccc tatgagacag ttgcacatctc aacagctcta ggataacaag gaagcacata 180
 catttataact ttataagggtg gccaaggaat cctactgtga acaaagaatt tctaagataa 240
 taaaatccca cttttttttt ctataaaaaag caaaaaaaaaa aaggccagcg nggccaattc 300
 agtnggact taaccaggct gaanttgntn aaaaggggggg gactacccaa 350

<210> 230
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 230
 tgacacgaaa atctggttct cttgcactaa tatgtgaact tatggacatg aatatttatg 60
 agctaatacg agggagaaga tacccattat c 91

<210> 231
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 231
 ataaggaaaag cgaagcacag agaagtatct gcccaaggto acaaaccagt ggagcaggat 60
 ttgacccaa gcagacagtc ggacttcaca gcccgtgcto tcaacatcca actgctgaag 120
 agttaacaat ttacccttga cagccgctat aagcaaagggt aaatgctcaa ctgcttaggaa 180
 gggacagtca gaacaccgtc ccatatccag tatccatgtc tctctgttg tttatggcct 240
 ctatgacttt ggcaaaaagaa gtacacacaa tctgattttc cgaac 285

<210> 232
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 232
 atggtgagg attgctcaag cccaggaatt tgagaccaggc ctaggcaaca tagcaagacc 60
 tcatctctac g 71

<210> 233
 <211> 155
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(155)
 <223> n = A,T,C or G

<400> 233
 ntataatggc tanagctgga aacacatcat gtatncagan ggaaaaggc aagaagattg 60
 caggatccac agacctggtt ttcccaaaca gctgaaccag tntcagtaca cctctggatt 120
 tcccattact tgagataaat aaactcttcc ttttt 155

<210> 234
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

<400> 234
 gtatcgatcg caagagtgcc cccaatcaac tttctgcaag caaatctctg tttcatggag 60
 aacctggct gcaacatgac acctctcacc acatcttacg tcagcagtcc ctaaatgtgt 120
 gctgtggact tgctacagca gatatgtttg gagaaaaaaaaa ttcatatttc tcatgttccac 180
 cccacacata caaaaccata atctccatga atgggtccca aggatgtgtt tttttcaaa 240
 gctcttcctc cactgctgaa tcttagtgtt agcttgatgt agaaaccact getataccaa 300
 agctcagcc tcaaattcagc ctacagcttctc tatcttgctc catcttcgtt tcagccacca 360
 atagagnggn gaagccatta aaaaggtcaa aagtaggtaa ataaaatgtg aaccagtata 420
 taaaagtt 428

<210> 235
 <211> 355
 <212> DNA

<213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A,T,C or G
 <400> 235
 gggcattcag nataagccat catatncctt gtgacctgca cgtacacatc cagatggccg 60
 gttcctgcct taactgtga catttcacca caaaagaagt gaaaatggnc tgttcctgcc 120
 ttaactgtat acatggctt gtgaaatcc ttctcctggc tcattcctggc tcaaaaagctc 180
 ccctacttag caccctgtga cccccactct gcccggccaga gaacaacccc cctttgactg 240
 taattttctt ttacccatcc gaatcctata aaacggccccc acccctatct ccctttgctg 300
 actctctttt cggaactcaggcc ccacctgcat ccaggtgaaa taaacagctt tattg 355
 <210> 236
 <211> 381
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G
 <400> 236
 gtaaacaacctt taaaacattc acgtgacgga ccaccttccc tcagccaaac aacttccctg 60
 aaaggcgccc gaaggagcct tcccattccac cgccgggtgcc cagggaaaggc ctgtggggct 120
 ctccctcccg cgctccacac gcccctcgcat cccaccgagg cgccagcttc tgccctgcacg 180
 ttgctgaaac tggcctggag gttctgacaa gaatttagagc ggccggccgtt gccccgggaa 240
 tgacctggaa gcgaaagaga cccggcacgaa ttcttagagtt tcgggggttcc cgccgggttga 300
 gattgtacgg gaaacaatgc attaacccaaa cctaaaaatc aaacaaacac cgtctggnag 360
 aacccatcca taaaaagct t 381
 <210> 237
 <211> 449
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G
 <400> 237
 ctcangatcc atccatcctg cctgtgctcc ctgggtcggtt ttccctccag ccactgccaa 60
 atgccaggac acaagtcacc acctccctta tgcttagcct tgtcatccctc catgtcattt 120
 aggccttcac gactcccact ctggaaccaa gcaatcaagg cctctgaatt gcactgttgc 180
 actgaccgtt cacccatccat ctgtctgcct tatgcagagt gcaagctctg tgaaggcaga 240
 tgccctgcct gagtggttcc cagctgcccc cagagcacct agaagaggcc cagcaaatacg 300
 aaggcactcc atgattattt gataaaagaa tgaatataac ccaacacttt atggctcccc 360
 ataactggat gccccctcc ccatggtcag atcccttttta tatttggtgg acatgacaga 420
 aatnaatctt ccaaataaat gaattctta 449
 <210> 238
 <211> 366
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(366)
 <223> n = A,T,C or G

<400> 238
 gctaacctag gatcagcaca atcagccagc agcaccatca tctcaggctg tagcagcacc 60
 aagcccttc agaaaagccc ggactttcca gaagcatcct cagcaagtgt cacaaggaag 120
 gaagccagag gctgccatc gcatacctga agagagtcaa cctagtctcc ttaaacattt 180
 ctctctgtcc acccctgaaa gaagcaatga ttaaacttg aagccctgta tatcttaata 240
 ccttggaaac atttgctatg tatatcctca ttaaatgaaa acattgcaac ggcaaaaaaaa 300
 aaaaggccg ggggnccat tnannntggn nttnaccngg gngnancnng taaaagggg 360
 ggggcc 366

<210> 239
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 239
 cagccctaa agactaagac gaataactaac tgagaaccca ccagacttgg agaaataaac 60
 ccctttgac tgagccaaact gaggctgctc ttgaaatcaa aatctatcat aaagtaagag 120
 tgaagctgca gcgtgggtct acctaaaact caattcaaga aattcaagag aagagaacgc 180
 toagcttagag tgaaccagga gactgcaaca atttgttca tttggattt cacttattta 240
 atgtctgtat tttgttagatc tagattaatg tgaatttcct tagaacttgc atcttggttg 300
 gtttactca g tgctatatcc ccaatgtctg acatagtacc tggttctcaa taaatacttt 360
 gaaacaattt 370

<210> 240
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 240
 gcctgaaaca caagcacaac acactgaagc taccatggat ccccttggcc cagcagctgt 60
 tacaccctaa atgatattct cttcttagcac ttcccttaccc tgggtctta atctgaaggc 120
 atctggactc ttcttcctat tggtagaagg atcacaatat ggtgcataaa acctattttt 180
 tgaacagcc cagtggacct gaagcaacac ttcatagcca agtacattca tagttcttca 240
 aaaaaatgta taaatttac cccttggat aataaataaa gacaataaat aaatagcctc 300
 ccatt 305

<210> 241
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = A,T,C or G

<400> 241
 agctgcttctt acatctaattt agaaaaaaagg ttctcaactgc atccttggtg tctctcagat 60
 gtttcttcag atgttcagag cctggggagca gtaagtgttc aaaaaatgggt gtttaagggt 120
 ctcactccaa cacccaggct ggagtgcagt ggtgggtgtga ttatggctca ctactgcctt 180
 gacttcccag gatcagatac gggctttcac tgggttaccc aggctggctc tgactcctgg 240
 acttaaaaact atccaccagc ctcagcctcc caaggtgctg ggattacagg tggtagctac 300
 cactagtggc ctcttcttaag agggaaatttg gatatacaga gagacaccag agatgtgggg 360
 gcacagagga aagacctgct tggatacagt aagaaaggca gcctctgcna acntaagaca 420
 aagtccctaa aaaaacccaa ctgctcca 448

<210> 242
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 242

ttttttattt tcttatttnc tttttathtt ttntntnggg gatnntgnaa cntnnanttn 60
ggactactgc ttaagtcana actgaggggc attcanataa gccatcatat cccctgtgac 120
ctgcacgtnc acatccagat ggccgggttcc tgccttaact gatgacattt caccacatna 180
agaagtgaaa atggcctgtt cctgccttaa ctgatgacaa tggncttgc aaattccttc 240
tcctggctna tcctggctca aaagctcccc tacattgagca ccctgtgacc cccactctgc 300
ccgnncagaag aacaaccccc cttttgactg gaatttncc ttntacctan cccaaattct 360
tanaaaacgg gncccacccc taatnttccc ttgcctgga cttctctttt ttgggactna 420
ggcccaccc tgcattncaa nggtggaaat aaaancannc ttttttttgg ctctccncca 480
naancaaaaa atanaaataa tatagctcg a 511

<210> 243

<211> 425

<212> DNA

<213> Homo sapiens

<400> 243

ggtctcaatt catcacctag actggagtag agtagcacag ttgcagcttc ctacatcttg 60
acttcctggg ctccagtgat cctcccccctt cagcctctca gcagagagag aaagaaagca 120
gagctctttg aagcagagaa agaaaggcaga aagcagagat ctttgaaggc ttaagaaacc 180
ataaggagtt ttggagagtc aatgcatttgc gatctctgaa gattctactg aaatctaattc 240
aatatgtcct cactgccatc aattcaaaag aacttgctaa gaaggctcta gaggcttgc 300
ctctcagata gtgaaagtga gatgatgtgt agtggaaagtc atatataatgt tgtaaattgc 360
aatatggaat tcccaaattgc tgaatttattt ttatctcttc gggaaataaaa acctggtaaa 420
gactc 425

<210> 244

<211> 208

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(208)

<223> n = A,T,C or G

<400> 244

gagaatttgc gacacagaca cangacatgg gggaaatgcc tctacaagcc aagaaacacc 60
taagactgcc agaagctgag agagagaact ggaacagatt ctccctcatg ggcctcaggaa 120
aggtcctccc tcaggccctc ttgcggcac tttgaattca aacctgtcgc cttcagaact 180
gggagacaat aaatgtcttg tttaaagcc 208

<210> 245

<211> 256

<212> DNA

<213> Homo sapiens

<400> 245

tttgagacaa cctttcgcccc tctgctcatc ctccatggcg agtcatcttg caatgtgatc 60
tggcatca gacctccgtc tggatcatc ttttcctgc ctgaagttcc agctttggaa 120
tctccctccg gagggctcac cagtggcaaa ctcttaagtt tttgtatttg taagtgcata 180
gatttcacct acgttctggta tacatgtgcc tcataactggg tacataattc ttgaaataca 240
tttcactga atatat 256

<210> 246

<211> 438

<212> DNA

<213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 246
aacgctgagc tgctttctc tttgaattcc aaagagacat ctaaaggaag ccctcagctc 60
tgaagaccac ctagctggaa ttcagaggg agagctgggg acagggaaagg atgactactc 120
ccaccattct gtggacaccg agtccagcct ccgggaggac gctgaggaa cctttggga 180
cagccagggc agagaacgcc ttttacttct taaggctctg gatcaaaaca gagaagcttc 240
tggcggag cctggcaatc ctgcacatc agtgtgcatt ttaagccata aagcgcaata 300
ctgattacaa acaggaatac nggagggctt cctttaact gttcagaaa acaaactcct 360
cggggacttc gaaaggagct ctcaccatag ctctgcaat ccactctgaa cagggaaacct 420
tctcatctat ttataaa 438

<210> 247
<211> 424
<212> DNA
<213> Homo sapiens

<400> 247
atcacatgtt ctatccc aagaatttgc aatccacaaa agaaacagcc caggaagcat 60
gcgggtggatg tgctaagtaa ctccacctcc ctggcgctga ggccagaaag cagacacttc 120
ctgcagctgc agttacacaa cgatgttctg tggattttc gggcaatagt taatgattta 180
agacaataaa atcctgtgcc ctccctgaatc cgtgggcaact tcccttgca ccacaaatgt 240
tggcctctgt ctctactgca gccacggtgg aaacagagag cagggaaaag agcttggaa 300
aggaaccctg aagaagggtt ggacaccacg catccccagac ttctacacgg ctagaaacac 360
ccctgactaa tattattact aaagtgtata catggtggca ggcctgttc taggctctt 420
acaa 424

<210> 248
<211> 194
<212> DNA
<213> Homo sapiens

<400> 248
gtaaagccat tgaagcacat tgagacaaga gggaccccag agggaaactca ttcaccttct 60
ttccaacggg tgcgggtaca gaagtctgca gcctgcacac ggaagaggac cctcaccaga 120
gcctgacctt gctggcaccc tgatcttggc cttctggcct ccagaacattt gagtaataca 180
ttttgtgt gtat 194

<210> 249
<211> 300
<212> DNA
<213> Homo sapiens

<400> 249
caattgcttg ttcagagctc ttggggatca attggaggga cactcacgaa atcatctcaa 60
gcacagacag gagacagtgg actacatgtt aaagcagcgg gaagatttg aaccctttgt 120
agaagatgac attccctttt agaagcatga ttcgtggtac agagaaaagc agcgtgaggg 180
attacacat cgcatatcggtatggagagc actacgacgg tggtcgaggatcaatgaca 240
actcaagagg cacctgcaca tctccagacg gatttcaga tgcttcata agatgaagtc 300

<210> 250
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

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<400> 250
 agtctcacgg ttgcccaggc tggagtgtaa tggcacgatc atcgctcaact gtagcctcga 60
 cctccatggg ctcaggagat cctccccacct cacccctcctg ggtagttggg actagaggtt 120
 gcatttcttt tttcttggaa cacatctttt aaaagatatt tacatgaagg tctaccagac 180
 atgaaaattgg agttcttagaa agggagaaga tgaggatggg gaagaaaacaa tatttcaaga 240
 agaaaatctct caagaatttg ccaagtctga cccaaaacat caagcagttg atttaagaag 300
 tgtataagcc caagctgggt aaatacaatg aaaaccacac tttggcacac cagagtcaaa 360
 ctgagggaaa tcaaaaaccat tattaaacct tgaaaatccc ctttncntn aagcacctnc 420
 attaagataaa atagctaatt tcctaaaaca aattatggga agccagaacc a 471

<210> 251
 <211> 614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 251
 ttcttgggg gaggcttacn cttggcattt atagcttnag gcaannttgg aggaggggaa 60
 ggacccccc ttcccaaagg gggAACCAAG gccggaaagga ccccccAAAG gttccgggat 120
 tgccccaccct tggccaaagg anaggggTTT ttantttggg gggtaacaac ccgggggtac 180
 cccccggggc cgaaaaatttc aaantctaaa attccggaa gggaaacttg gccGCCnccc 240
 ccanatttggaa angggggggg tttgtggggg cctttttttt attttgaagc cttccggggg 300
 ggaagccaan aaaaaccgccc gccgaaacca agaaacctaa gaaaaccgaa acttggattt 360
 gctccccccta gcaaataccgc attcattcng gtggcccaagg ggaccaccgc catttcatnc 420
 aagatgaaac cgtggcccn aaggTTTgac aaaggggTCC acaaggcagg gtttanatgg 480
 gccccgttta aaaacttatg cttnttnttgc cggggggccc attctntaag gaatgggggn 540
 ggggtcaana atgaattccn tttnttccn aattggggcc naaggncgaa tggggcattc 600
 ttttttaaaa aaaa 614

<210> 252
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(546)
 <223> n = A,T,C or G

<400> 252
 ttacatccag agcattccag ttgttaatga agaacacaga ggtgattttt cctatattgg 60
 aaatttgatg acaaaaagaat tcataggcg acaattgatt ctaattatta agtctttgga 120
 taccagtgaa gaaggaggaa gaaaaaaaaact gctggctgtt ttacaggaga ttcttatttt 180
 acccacaatc ccaatatccc tggtttctt tcttgtgaa agactactcc acatcattat 240
 agatgataat aagagaacac aaattgttac agaaatttac tcagagattc gggcgcccat 300
 ttttactgtt ggtgttaata acgatccagc tgatgttaagg aagaaagaac tcaagatggc 360
 tggaaataaaa gttaagctt tcgaagccaa agaagctttg gaaaattgca ttaccttaca 420
 ggatttttaat cgggcattcag aattaaaaga agaaataaaa gcattagaag atgccagaat 480
 aacaccccttgc aaagagacag agcaacttgg aantaaagaa gtccacatag aagaagaatg 540
 atgctg 546

<210> 253
 <211> 474
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(474)

<223> n = A,T,C or G

<400> 253

agcaatatac tgaaatccaa gattgagaac agcaattctg agagcaaggc agtcatctga 60
gtccaccgccc ttccagctgg cccaccttat gaaaagaagca aaccctgagg gcgtggagga 120
gagaagaaac tgctgtcagc tttccccatca cacaacttct caggcagtgc tggcgctctc 180
ccctgctcac ttaggacaaa ccaacactt tggaatctga ctgtcaagga gagtcacatg 240
gcaccgcgtt taacctcaga tcccaaggct ccaaatgggg tgtggttct ccaaagggct 300
catgagactg atgtgtgagg acatgaggat gacatccggt tggtggtggcc actagaggaa 360
atgccnnttt accnaggaca ggaagnaggg gggcccaatt ttcnnttcca acatttcaa 420
caacaaggng tatgtccgac ccccgattca actttcacaa acctgcactt aatc 474

<210> 254

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 254

gtattacacg anccccaaac cagaacgtct atgtggttca ggcntgcccgc aatggaaaaaa 60
actttgactt ctaattaaac acctgaaacc aatgaatcct cctcttgaa ccaataagac 120
tgggacatca tcagaacctg aatgacaaaac ttttggaa cagggctctca cgctgtcacc 180
caggttggaa tgcagtggcg cgatctcagc tcattgtcac ctctgccttc tgggctcaag 240
tgatcctccc accacagcct gctgagtagc tggactacag agttgcctgc atttcagcag 300
tggatttaag caacctctat gtaaaatatt gcagcatgct gagcttaaga tatttcttgn 360
ttccctgcttt aatctaaagc tttgnaccaa tgatgantaa ctnggaaaaaa gaaggcctt 420
tccaagggac atcgctcaact gncctgatgc ccngcagtg nacacttacc gactcagnn 480
tccaaagatc ctcaat 496

<210> 255

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 255

ttcgttttgg ttaaaagaga gacagtggac agtattggcc aagcgatac catgcaatgc 60
cttctccatg ttcatgcatg tcttttaacc cgggaacaag aagactgtcc ataggtctag 120
acaatggncac aatctcagag tttatattgt cagaagatta taacaagatg actcctgtga 180
aaaactatca agcgcatcag agcagagtgta cgatgatcct gtttgccttg gagctggagt 240
gggtgcttag cacaggacag gacaagcnat ttgcctggca ctgctctgag agtgggcagc 300
gcctgggagg ttatcggacc agangctgtg gcctcaggcc tgcaatttga tggtaaaacc 360
cgccatgtgt ttatcgg 377

<210> 256

<211> 245

<212> DNA

<213> Homo sapiens

<400> 256

ctccagcaac aactgtttct tgtgactttc tggggactc tgaggaatgt tgggatgata 60
atcacaggaa ccaatggctg cctctggaaa gccccataatt ctgcacattc atggagcttc 120
actctgattt caaatccaga aagaccacca tgcacttat ggagacactt gaaatcctt 180
ccacatcttc actcatcactg cctggggtaga gaacttaggaa tacgtgaata aaccaataac 240
acgtt 245

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<210> 257
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 257
agtcaagaaa acttgnnggg gcccggaaacn cctatnttgc ncagntgggc nctntccctn 60
tgggntttt anaaccctnt nnggagactt ttnatgctgg gtgggtgggg acccattttta 120
annggcncntt ngagggtttt tttttntta aagggttann ttttnaaacc gggcntnggt 180
nggggtttt ggccngnttt ttgaacaggt ccnctaaaaa aaccagaagg gtttgc当地 240
aagaaatggc ttttngnaat gggcattccg gcttcgnat nccttgc当地 attnccggca 300
aaacacttac gacttagaa gntttgc当地 angccaaac acgaaagatg ggcccaaaga 360
aaccaaaact cgtaaggggg actttccaaa accccaagta cttctcttgc ccaaacactt 420
gtacctaag tttcatttgc ccaggaagaa gccatatgaa gcctcacaag tggccttgca 480
cttacccca agtaagccct tggaaagtgg tgggggcccc cgtaccctt tgc当地 540
ccggggaaagt taagccgc当地 tgctcttacc ttcttc当地 ggtttcacc tatnccc当地 600
tcaacttggca ttgccaagg gggtttctt当地 ttcttggag gggcaaaaag ccccaaccac 660
caccctggc当地 tttttggc当地 ccactttctt tccaagccna aaaattaaga tttgggctct 720
t 721

<210> 258
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 258
accgtggccc catctattat ttttgaagag gaaaactcct gngccaaaa agtccaccga 60
tccttggttc agacaaggac ttccaaattgc ttaatgtcag atgaataactg aaaggtcacc 120
agaggataca ccacggaaaca cagggacacc atgactattg aagtgtt当地 gattccagat 180
gaaacgtttt taaaatgtt当地 agcctt当地 act gcagggcatg gtgtt当地 tggagttccc当地 240
gctacgtggg aggctgaggt gggaggaccc ct当地 gagccca gaaattctt当地 tgcaacctt当地 300
gaaacacagt gaaacctt当地 cat ttttataaaa atattttta agcct 345

<210> 259
<211> 308
<212> DNA
<213> Homo sapiens

<400> 259
gatttctttt caaaagt当地 ga ct当地 tgggtgta gc当地 ct当地 ggta tggggcgaa gatgagaatg 60
agagggcagc ct当地 accccc当地 tc当地 ct当地 gataag gaaggaccc ggc当地 ataacc tggc当地 caggat 120
ctggagccgc acaaaacaccct gactcgcccc tt当地 aaaaccaa gatccgc当地 atggctc当地 180
acacaacaag aaatttgc当地 gg caaccctt当地 gta cggctt当地 cattt tt当地 accgacag tgggaggc当地 240
gcagtc当地 ggaaatgccc当地 tt当地 ct当地 cc当地 gt当地 tt当地 cctt当地 ccc当地 agaagcaaaa gaacgtgtt当地 300
gtttatgc 308

<210> 260
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1)...(517)
 <223> n = A,T,C or G

 <400> 260
 ctgggagctc ctgcgtgagc tcntgnntta ngttagaant gcggtgtgac cacaccaggc 60
 cagggaaac acacgtgccc agcctgcat ctgccctcct gtcttggagc caggtcttc 120
 caccagcttc cttcatctt taacacttg tgaaaaggaa tgacacgtca gtcaaagccc 180
 ctggccgggt ctcatggagc atctggcagg aggaagcccc ttccctggctg gcctcccatt 240
 catcagtca gcccgcaggc tggccaggg acagctgtgg aacctgagct gggaggcagc 300
 tgtgaaaggc aagaaacaag gaaaggggac agaagtccac cggtcggtga gccagctcg 360
 agcaggcag agaaagcaag agaaggggac ttccctgccc tcatccataac ctcccaggc 420
 ctccccaaag gctcccaacc ctccccaaac actccccagt ctccctcctg tccccaccac 480
 catccctntg gccctgattt acaagctggg cagtcac 517

 <210> 261
 <211> 94
 <212> DNA
 <213> Homo sapiens

 <400> 261
 ggcagcccca tgaatatgaa gatacttgg aagtctttac tacagagcat gatttcagga 60
 atgatgaaac aataaatgag aatctggtat taat 94

 <210> 262
 <211> 342
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(342)
 <223> n = A,T,C or G

 <400> 262
 ttaagtgcgaa ctgnggagag gaanagaaag acagagtnnt gttctgtngn gcatgctggc 60
 gtacagtgcg acaatcacag ctcaccgcag ctcccaactt ctggactcac atgatccttc 120
 tgcctcagac ttccaaagtac ttgggactac agtcacgaat caccacancc agcttggann 180
 gantttttta ngggnnaana ccagtcattt ggaactggaa ttatatgact tggggccaaa 240
 ataactgtgg tcagctgact ttacccgtt ttaattttta attttggagc ttgtattcaa 300
 aagctattat atgaatataa gaataaatga ttttttaac at 342

 <210> 263
 <211> 520
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = A,T,C or G

 <400> 263
 ttaagttaga tggntggna ggaagngaaa gacananaca tgaanggagg anggnccnag 60
 nnngacnnnc aagatgccc ctataagcca aagagaagcc tnagangaag ccaaccntgc 120
 tgacaccttg ttcttggact tctagcttc agaactgtgg gaaaagaaaat ctgttgagtc 180
 atccaggctg cgtactttt ttatagcagc ccaagcaat gaatataacct tccttgacta 240
 ctccatctta taacgtgcaaa atacctaacc ttccagccat tttacatgtt tattcactgc 300
 ctttattgggt agtcattgt gtctccca gaagactgaa gctttaaaaa gactgataat 360
 ctattnata tctttggna ttatcaagct caacatggta tcttccacca ataaaaattt 420
 gactttctgt actctccctt ccattaatgc ccgagtgaaa atatggctgg tagtggttt 480
 ctgaagtaaa gcggattctc ctgcctgaaa aaaaaaagaa 520

 <210> 264

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<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 264
tgatccaactg tgatccaagt caacgtcagc cataaaatcct tcttcaaaaa attcaactgga 60
tacctagaag aaaatgaaac acctttactg ttacattatg gtaccttagcc tccaagaaga 120
ccccgttgtt ccccaactt ggtattcaca cctttgtata gttccctgtct cactatacca 180
nagcgggtct gcgtgaccat aaagaagtgc ggaagtgtcg ggcgcattgtt tctgagacta 240
gttataaaa ggctcgagct cccatcttc tcagatcaact tgctctggg gaaaccaggcc 300
accatgcagt gaggacattc aggcaagcaa gcacccaggt gatgaggagc tgcatccacc 360
aactgtgagc gagccccgag ctccgcagcc ctggccgaca gcctgactgc agccccagga 420
gacgctctgc gccagaatcc accagctgag ctgctcccag accctgactc gtaggaactg 480
ttagatcatc aatgtttgtt ggttaaagct gctaagttt ggggtcaactt gtgacacagc 540
aacagataat attctccct aataga 566

<210> 265
<211> 334
<212> DNA
<213> Homo sapiens

<400> 265
ggccgacaag ggagataaaat tccgtaatgg gagctgcggc cctgctctcc tgcctgggt 60
gagcttggc tgatggaaag gattcagttt cctgtctgaa cagtgactac catgaactct 120
acatgctgtc tacttctaac cctctttggc ctgactccag cttcaacacc tggaaacatg 180
gcaaaaaagaa cagggggaca ttggcttga ctggagccac gtgtcagagt ttgactcaag 240
gatagtttat gtagaatgaa gagaatgagc agggaaacaag aggtataaaat gtgcatgatg 300
tttattcatt caacaaacat catttgagcc cctg 334

<210> 266
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 266
tcctgtttga gtnatntga gggccaggaa gggaggaca aacctcccta ttaaagaaat 60
ccctggactg gaaaggactg gaacattggg agtggaaatc cacattagcg gaatagtatg 120
ttctgaaggc atttggcagc atgaaaacct gatacatgag acataaaacc tgaggaaaat 180
tatttcatgg gaacggtaaa aatggtgagg aggttaaatt gggcaaggga gaagaacgga 240
ggagagggag agggaaagtgc tgctgaactt attcaaaga agaagaagaa aaaaaatgat 300
ctctgtttt tcattaaata atggatgctc tccaggcc 338

<210> 267
<211> 432
<212> DNA
<213> Homo sapiens

<400> 267
cctactcagt tagaaatgaa caaggatgaa gacctttatg atgatccact tctactcaat 60
gaatagagaa atcagcaaag gacgggtgtc agggcagctc cttctcaag ccatgtgggt 120
ggcagaccct gtgggagcct tccgggaccc acccttccat cctctgcaca ggcgctaaag 180
gagggtgagg agcccacacc agaactggtc tgcttgag atgcctgaag aggacagtcc 240
cagttgattt tgtttctt actgtagact ctaatcttc caggtggaat cttatttag 300

```

gctggccctg ccagggcatg tacagggtcc tgggaattca acagaatgaa ttcaacagaa 360
 tgcataggat ctgatgtcag aaatgccttg cttgtattct gaccatatca catatgagct 420
 atgtggtgat tt 432

<210> 268
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 268
 gctggagtgc acaatcacag ctctctgcaa cctcgaccc tcgtggctcaa gcgtaccc 60
 cacctcagtc tcccaagtag ctgggactac aagtgtacat caccatgcct ggctaattga 120
 ttgtcaattt ttgttagagat ggggtatcac catgctgccc aggctgcca gtctttatgt 180
 actttccgac tcatcaaaaag actaaattat gttcaataact attttagcat taattaaaca 240
 tattttgcta tattt 255

<210> 269
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

<400> 269
 gacggactct tgctgtgtca cctangctgg agtgcagtgg gcgcacatctc agtcactgc 60
 aacctctgcc tccccgggttc aagtgattct cctgcctcag cctcctgact agttgggact 120
 acaggcacat gccaccatgc ccagctaagt ttttatttt tagtagagat ggcgtttcgc 180
 catattggac agactcctga ctttatgatc tgccctcctc ggcctccaa agtgctggga 240
 ttacaggcgt aagccactgt gcccggccat gcattcattt cttacacgta tcattgttgt 300
 tttaaaagtg aaaagcccaa gaagagatgt taggtttgct tgtagggta ggattaattt 360
 cttagtacac caagccaaat ttncagtcct gctgntaaca cccaaacttct tgngaaccct 420
 tttttttt 428

<210> 270
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 270
 gttggagtgt agttgcgtga tcacagctca ctgcagcttc aatccccggc tccagtgatt 60
 ctcccacctc agccccggag tagctgggcc tacaggtgca cattacaaca cccagctagt 120
 ttctgcagtt ttgtggaga gatcggttca ccatgttgcc caggcatttc tcaaactcct 180
 gtactcaagc aaaccccca ctttggcccc aagtaactggg attcaggcaa gagccaccgc 240
 gtctagccaa ttatacaatt tttaaaataa attgaaatgg tcgttgc 286

<210> 271
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 271
 gtcctgatata ggaagaaaact actgatgtca gctgaaggac cacactgatg cagctgtcct 60
 gaaggactcc ccgaggagct acctcatcaa aaaatacagt ttccactttg cgatgatttt 120
 atcccccttg ccccaaccga ccagcaaccc cagattcca gcccctcact ctccacaata 180
 cccttaaaaaa ccctcatccc agaactcctt gagagatgg atttgagggt cccttctgtc 240
 tccttgcttg gccacccctc aatcattaaa ctcttttct gctgc 285

<210> 272
 <211> 326
 <212> DNA

<213> Homo sapiens

<400> 272
gctgtggta cagtggatg aagaagcaac taagagaacc caatggatga gttcctctgt 60
ttcagtaaat aatcaaaggc aacatctgag ctggataatg aacaggaaga aaagaccacc 120
aagtatcatc attagtggaa tactgactga aatgaatcaa gatctcttcc tcaaccaaca 180
tgacagaaaac attccaaagc tgccttcattc aacctaggaa ctataagaaa ttaaagtcc 240
aatgctctaa tatatgctat tataggcaat gagctcttaa tcctatgcat ctagaagact 300
ggctatgtat cacccttggg agaact 326

<210> 273
<211> 362
<212> DNA
<213> Homo sapiens

<400> 273
tctccaaaat actagggtta tgggtttatc tttccaccac tggtaaaaac aaccatgg 60
ctaggactt tggagtagca cccaccagct gtgtgaaggt caaatggatc ttaaagagtt 120
gtgcagtggg actgaaaagag gagagtact attcagaga taaccaaatg ttaaaaaaaaa 180
gagtttggaa aacgtggaca agttcaaat gaaaagaaga ggatgacaga ggacttggag 240
ggaaagaaaaa caaaaatcat aatcatagac aatattgttc accatgtaca agacagtgtt 300
ctaaggcagaa tgagtgcctt tggtgatgt acctcgtag gaccacagta aacttaccca 360
ct 362

<210> 274
<211> 105
<212> DNA
<213> Homo sapiens

<400> 274
ggaggcttag gtgggaagat tgcttgagcc caggagttt agaccagcct gagtcaacac 60
acaagacac tgtctcttaa aaaaaataaa taaatacttg tttt 105

<210> 275
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 275
acagggtctt gctctattgc ccaggctgga gtgcagtggc acaatctcag ctcattgcag 60
cctcgaccc ccaggctgag atgatccccc cgcctcagcc tcctgagtag ctggactac 120
aggcgcgcac caccatgcct gctgatttt tgtagagaca gagtctgcc gtgctgcaca 180
gactagtctc gaactcctga agctcaagtc atctgcccac ctcagcctcc caaagtgt 240
ggatttcagg tgtgagccac catgcccagc catattctt ttttttttc aatngnnggg 300
aaattcccnnt ancataaaat taactttta aacngaacaa ttcagggggg ntaaaaanat 360
tnanaagggn ggactannan aaccttngnt tagttccaaa anattttnt taccccnca 420
aaaagcccan acnttggang nnngaacttc cnnttttcc cctnnntccca gccnttgaaa 480
acnacnaann tggttttgg tggntngnct ntttggnnn tttnanataa angngngttt 540
ttaatatg 548

<210> 276
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)

<223> n = A,T,C or G

<400> 276

tggggagctc ctgcttaagt ccganctgng atatgttccg tttaaggctc tgaagatggg 60
gagagaattc tggatgatcc aggtggccc ttaataatgg tcccttatta cagagagcca 120
gagggagatt tgaaaactgac aggagaagtc agtaagacca tgaatgcaga gattcgagta 180
atacggctac gagccaaaag atgccagag ccacctgcag ctggaagagg cataaatgga 240
ttctccctca aagctcccag gagtgtgcc ctgctgacac cctgattca gccccatgat 300
actgatgtt gactggctc cagaactgtg aaagaataaa ttcctattgt tttaaacc 358

<210> 277

<211> 183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(183)

<223> n = A,T,C or G

<400> 277

aagnngattgg aggtgagtca gcttcaaccg tgccatgagg acctcacccct aggaggtggc 60
agagacacccg gaggaatgga acccaagtca tggataacc tcacattgca gagccaccc 120
gctaattctt gactgctcac ctctggacta tcactggaga aataaataca ctttaagtt 180
gtt 183

<210> 278

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 278

ggggagctcc tgcttaagtt acgaagctgn nattcattct ntagaaggcc atcanagggaa 60
gataaaagaag gatcctcaat gtcagacatc tgagcccaag ctaagccatc ataatccctg 120
tgacgtgcac atatacatgc cccactccaa ctaatcaatc gaccttgta cattcctccc 180
ctggacaatg agtctcatga tctcccaacc ctgcacccctg tgaccctcc cctgcccaca 240
agagataacc acctttaagt gtaatttcc actacctacc caaatccat aaagctgccc 300
ccccctatc tcccttgct gactcttgc ggactcagcc cacttgacc caagtgaaat 360
aaacagcctt gttgctctca c 381

<210> 279

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(459)

<223> n = A,T,C or G

<400> 279

gtcgaactgt gaccctgnnc tcccttgctt tantggaaatt ctcttccagc ttcttggacc 60
ctgtactggg gtgaagagta tcttccaaaa attcacatct acccagaaca tcanaatatg 120
aacctttttt gaaatacgtt tttgcngatg taatcanata aaaatgagat nataccanat 180
tagggtnnggc ccttatccaa tgaatagtat ccttacaaaa agacggaaac ttggacatgc 240
acattccggg ggaacctcca tgtgatggta aacactaaga ctggagtgtat gtgtctacaa 300
gccaagaaat gccaagattt ccagcaggca ccagaagcta gtagagaggc atgaaacaga 360
ttgtccctcc gaacctccag aaggaaccaa gcctgcagat gccttaattt cagacttctg 420

atgttcagaa ctacaaaaga ataaattcct gttgcttt 459
<210> 280
<211> 281
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G
<400> 280
tggggagctc ctgcttaag ttagaactnt gggacagnat gtcngtcnna canttttac 60
cccgntggaa tgcagtggtg tgatcctcct gcctcagcct cctaagttagc tgggactaca 120
gagacgggggt ttcaccatgt tgaccagct ggtctagaac tcctgacctc aagcaatcca 180
cccacctcgg cctcccaaag tgctaggatt acaggcgtga gccacctcgt ctggccaata 240
aacagaactt acaattgatc tnaaaaaaaaaa aaaggccggc g 281
<210> 281
<211> 252
<212> DNA
<213> Homo sapiens
<400> 281
gaagatgagg atactgacag agtaaaatca tggagaaaaat ggaagaactg aatgcagaca 60
tgagaagtta aatcacagaa gaaaagttaa gcaggaactt gagagagggg tgaactgtga 120
caagttgtaa gaaggaagac caggactcac cagaaaaata ataaattgtc cttgatcgta 180
caaaagaatg tgttaatgga atttcctaa taaatgtgag agaatgtcag cataaatatt 240
gattttaaaa ac 252
<210> 282
<211> 380
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G
<400> 282
atggagtctt gctctgttgc ccaggctgga gtgcagtggc acaatcttgg ctcactgcaa 60
gctccgcctc ccaggttcat gtcattctcc tgcctcagcc tcccaagtag cggggactac 120
aagcacccgc caccacgccc ggctaatttt tgtactttta gtagagacag ggtttcactg 180
cgtaaccag atggctcgta tctcctgaac ttgtgattcg cccacccatc cctcccaaag 240
tgctggatt acaggcgtga gccactgcat ccggcccaagt aatctttaa accacactca 300
ttgnctaatt ttgcttagcaa ttcaatataa actttatgct ttgaaaataa aattggattc 360
attttgaaga cttaaaaaag 380
<210> 283
<211> 120
<212> DNA
<213> Homo sapiens
<400> 283
gtcatctttg atctatcaga ttttaaggca tcatctgaca gcagatcttc aataagtatc 60
tgtggcatga aggaaaaggg aaaggaaaag ggaaaggaaa aaggaaagga agaaaggaag 120
<210> 284
<211> 317
<212> DNA

<213> Homo sapiens

<400> 284

gttcatgtgg aaccctgggt ttcctacat accatttgg aacgctgggg accagtatta 60
aagaaaaatt atccagacac ttgtaaaaat gcacagtat ggacatttag gaagatattg 120
tatatttgtt cactcaacac tcattccaac gcttccttag tttgccttc tatctactac 180
aggctgaaag actgactcta gtggagcctg ctgtctgaaa ctccgaagtc tgaccaaagc 240
agcaaccccc tctccattat ccctgttccc ctcctctca cgacataaac aaaagtgtaa 300
gcattggaaat cataatt 317

<210> 285

<211> 300

<212> DNA

<213> Homo sapiens

<400> 285

atgtaaagag ccatgaaaca gatgtgagag atgccctgac ttagaagccc ccttcaca 60
ggcgccaca tctcttgaac aactcagcag gcatggttc aaagaccccc ccacacaaaa 120
tgcccgattt tgagtcaaca cttccagga agccaaagc atttcctta tctggagatc 180
ctctgtcagt caaatccac tattatgaat acagaaaaac aatacagaag aatgagacc 240
attatgtAAC agaaatagat gtcacagaga tcacacaata aagctcacgc aatttactcc 300

<210> 286

<211> 436

<212> DNA

<213> Homo sapiens

<400> 286

cctctgtgcc caggttggag tgcagtgggtaa caatctcgcc tcactacaac ttctgcctcc 60
caggtccaag ctattcttgc cctcagctt cctgagtagc tggattaca cgcacacacc 120
accatgtttt gccaattttt gtattttaaa agaggtgggg ttttacata ttggccaggc 180
tggctcaaa ctcctgaccc caagtgtatcc acctgcctcg ccctcccaaa gtgtgggat 240
tacaggtgtg agccacccggg cctggccaaag agttaacttac atttttaat gacacattat 300
ggcattttat gggagaattt cttctgtgt cggcaatattt cgatttgagg atttgaccag 360
gtctctggac atctccacac gtgtcaatgg gctaagggtgc tttaaataaa caagggttac 420
tgcataagtc cacaat 436

<210> 287

<211> 388

<212> DNA

<213> Homo sapiens

<400> 287

attggcgtgc tttaaaggctt gaccatctga tgtacaggaa atggaaacta ctctctgaaa 60
agcaagtat ctcctggccg cacccattta ggagaccagg attttatattt gatccacagg 120
agactaaatg agtttagaggc cactcctgtt tcaacagatg ttgttactta aatgacagta 180
gggcgggtcg cagaaggaac accaaatagt ctgactatctt accaagaaga gagtgtttga 240
acacatgtgc aacctcttga ctgtgggtgtg tggggcagca tttaataaga aagagctaaa 300
tctgcttgcgtt gttggaaatatttcaacaca tgttaagtgc taaaatatttca aagtaaata 360
aatgtctatg tactccatat ttgttaaag 388

<210> 288

<211> 324

<212> DNA

<213> Homo sapiens

<400> 288

cggctgaatc acttgagctc aggagttcaa gaccggcctg gccaacatgg cgaaaaaccca 60
tctctacaaa aaatacaaaa attagctgca cgtatgggtg cacacctatg gtccccgcta 120
cttgggaggc tgaagtggaa ggattgctt agttgggag gggagggtt cagtgagcca 180
agatcatgcc actgcacgcc agcctgggtg acagaggcag accctgtctc taaacaacaa 240
aaaacccac tgaattgtat acgttaaaag gactttacat cacgtgaatt acatctcaat 300

gaaaaataaa atactgaatg aacg

324

<210> 289

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(565)

<223> n = A,T,C or G

<400> 289

gtggaaaag aatagcttgt gagagtgtat gaggtaatg aagtggtcag atgagagagc 60
gccccggaga tggagagaag cggagaacctt gatgcatttt tgaggcaaa aatcaacaag 120
attggctgat ggattaaaag cagaanattt tgccatanag aaatctttt ctttcaatc 180
tctccaattt gggAACCAAC caaccaacca gtctaccaac cagccaacgaa accaactact 240
caaccggta actgactcct cccggagaca aagattggag aattgcttga atctggtaca 300
aagactaaag caaagtaata ctgtatcatg cacagacctc aactctgtga agacagtccc 360
tcatgctgta ggaagtcagc cttgaatatc taggcttagg ggaggcttag aaggtcacc 420
actggagaag taagcggtt gggcaggta ggatccagg ctctcaattt ttatggagag 480
attttgctt ttaaaaacat canacctgct ggtgntgcac tcagtttct ttcttataaa 540
aatcaactct ttttgagatg tactg 565

<210> 290

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(343)

<223> n = A,T,C or G

<400> 290

canattgcng cncnnnggna aaanaaaacag ccattgttgct cacacaaagc ctgtttggtg 60
gtctnttccc acggacacgc gagacaatga ggagataca ggtctcgctg ttctacctag 120
gtctttctag aactcctaattt gtcaagctat cctccctgcctt nggcctccca tgctgttggg 180
attacagcta taaattcata caattatcag agtttggttt tggtaagtc ataattgtga 240
gtgaagaacc atggaaaggag aacatttctt gctcatcaac tactttcata aaatcaacaa 300
tttgcttaag taaagtcttc aaaataataa ctgattttaa tga 343

<210> 291

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 291

ggttttgctc tgtcacctgg gctggaggatc tttcggtcag tctcagctca ctgcagccctt 60
gttccccc gctcaagcaa ttctcctgccc tgatgttccc aaatggctgg gactacaggg 120
cttatgtctg ggatcctcac agagactaga agtgtctccc atccccatcg cagtcctgg 180
caattcctgg attgtcgac ggtccctgc ctctgccc ttgtatccgg agtacaggg 240
ttgcctccccc tgttccacc accctgacca cccctcaaca ccattcccg gtcagctccg 300
ccgccaactg aggcgacacc tgttcatgaa aaccctgtga gcctcttctg tatccataca 360
caataggtaa tgntgnttta cgtgttcaa aacattaatg gtg 403

<210> 292

<211> 185

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

<400> 292
cccagcccc cgtaaacaag cccagctgca ctgcttagaga gtttctgggg tgaggctgcg 60
aggagaagag ctttgatttg aagcctaag agtgaccctg agcnagaacc acccagttaa 120
gttgtgtctc cattcctgag ccacagaaac tatgagatga taaatgtta ttgctctaag 180
ttgct 185

<210> 293
<211> 231
<212> DNA
<213> Homo sapiens

<400> 293
agacaaggc tcactctgac acccaggctg gagtcgagt gtgtgttcat agtcactat 60
aacctcgaca gtgagatcct gagctcgagt gatcgctcc cctcagcctc ccaaagtgat 120
ggaattatacg gcgtgagcta ctgtacccgg ccactgttgc tgtttggaa gggagccctc 180
ctctccctca ccacattcta tattaagaaa ttccaaattt aatgaagaga t 231

<210> 294
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 294
gtgaggcac agcaatcctc cagaggatgc agcaacaaga caccatctt gaagcagnngc 60
agccctcacc agacacccaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
ctatgaaaaaa taaatttctt ttgtttataaa atc 153

<210> 295
<211> 289
<212> DNA
<213> Homo sapiens

<400> 295
ccacggaaact gggattcctg aaaatcaaatac acagaactca tcataccatt ggttgaatta 60
caatgttcta cttaattgg gcacttacaa agtaattctt caatcaatgtc 120
tcactgcttc ccaacaaatc tacgaagaca gaacaaaaga tgcaacttac agaaacacag 180
aaaattaaga ctgtcagagg acatagtgtc tgattcggag tggttggaa gagagattt 240
cactgaatacg cagaataatcg gaagattatcg ataaaaataaa ttaatggtc 289

<210> 296
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 296

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gcatgtgaca atgcaatgag aagntggcng nctgnnnntc acaagagggt cctnaccata 60
 acctgaccat gctggcacct tgattcccg cctctataac tnnaagctgg gcaactacca 120
 tntncagaag tgtaagaatc aaatttnpta tigtgtataag ccatgcagn c tatgataactt 180
 natgatagta nccaganctg actatnatac agggncntat acatattttt tgcttcntag 240
 tnntcatctg taaaataaaa agtttggaaaa caagg 275

<210> 297
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 297
 gtctactctg tcgccccggc tggaaatacag tggcaggatc acagctcacc gcagccttga 60
 ctccctggc cctaagatca ggtgatcctc ccacccctc ctcacaagta gctgggacta 120
 gagacaccca ccaccacacc ttgactaatt ttttatctt tatttttgta acccggtctc 180
 aaactcctgg cctcaagcca tcctcccacc tccacctccc aaagcgctga gattacaggc 240
 atgagccact gcgccccatc tagaccctaa taatgaataa aacattaaaa tt 292

<210> 298
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 298
 acggagtctt gctcttattt tccaggctgg agtgcaatgg cgtgatctg gctcaccaca 60
 ccctctgcct cctgggttca agcaattctt ctgcctcagc ctcccaagta gctgagatta 120
 caggcatgca ccaccacact tggctaattt tgatatttttta ggagagatgg gtttctccat 180
 gctggtcagg ctggcttga actcctgacc tcaggtgatc caccacccctc ggccctccag 240
 agtgctggga ttacaggtgt gagccaccac gccaggcctt ttttttaattttagtaagaa 300
 agaggctctcc ctatattgcc caggttgcc tcaaaactcct gggcttaaan aagtccctc 360
 gctcaaccc ttcacaatgc tgggatcga ggtatgaaca accacaccca acccnngtan 420
 gggattattt atcatcatca acaatggat tcttgggttct tcttaaccaa actgaatgcc 480
 cgnacctt ttcacaatgg cttttccctt ctggantggc ctttggctt gtngnattc 540
 atgtttcaca tcantaaaag cccctcttca ggatgcc 577

<210> 299
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 299
 gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttgaagcagagc 60
 agccctcacc agacacccaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
 ctatggaaaaaa taaatttctt ttgtttac 148

<210> 300
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 300
 gaagggaggc agcccgagca gacttactga aggatgagct gatcttggta caaatcctgg 60
 ctttaccact taatagctgc acacttcctg cagttccctcc cacttatctg agtctcagat 120
 gctccccgtt aagatggtc caatagctac cactgcattt acctcgaagg agtaaatgag 180
 gattaactaa ggcgcctgtatg tgaagaactg tgcttgcagc ctttgaagga agccaggctt 240
 tcgaggatgt gtgaggcctg gggatttcat ttgtttcaaa taaccatcaa tgagattcca 300
 gatttcctgc ccagagttaa aatcggtgtt gaaaaccc 338

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<210> 301
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 301
tggggagctc ctgcattaag tgagganctg anattatntg tatgcacatt ncacatccggnt 60
ctcanatatac gnnacttggtt caccacagta naggactcan aaatacccat ggcnaacncac 120
tggagatcctt cactgnctca ngggcnnnacg tgggttgaac acggtcatttc cattgnttna 180
ctgcccccca tttnaccctca aggtccattt tggcccaagg cattgcatgt tctcaaggca 240
atgaccctgg agaatgaata gccatgngtg gcagtataag tgcttggaaag gtgacttagc 300
ccatttgaac aataaaaactg tcttttaaac aggt 334

<210> 302
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 302
ntcagagccc ggcgctgcat cagactcacg tcaactaana aactncncct gtttatattaa 60
annaaatcna gccccaccca nttaaagtca ctgtatgtaa tcagcaaccc acttggntcc 120
caatcctgga aggatacana catgttcatg angcttcngg cgcatatgtg acanaacttt 180
ccatgaaacc aactggccat gantcnaagg actccttac agagacaat ccatttcctt 240
caaataccca natttattt gtnnnnnnnn ggcaacgatt tgaaaaactg gagcatttt 300
cctaaaggga tttttttttt tcccaccatt gctttatcac aacttggggg attattantg 360
gatttccttc cctcttgctc ccanaaggg gactttggag aaaaagagag tttggagct 420
aagaataaaac cgcatattttt gcatatgt 448

<210> 303
<211> 216
<212> DNA
<213> Homo sapiens

<400> 303
gagagacggg gtttctccat gttgccttagc ctgggtctcga acctctcacc tcaagtgatc 60
cgccctgcctt ggcctctcaa agtgctggg ttacaggcgt gagccaccgt gcctggccct 120
agcaagtca ataatttata gagggtaact ctgtcgattt taaacttcgc gtatgtcgtac 180
ccatttcattt atccaataaaa cacgttattca gcacct 216

<210> 304
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 304
catgtgagaa cacagtgaga aggtggccat ctacaagcca agaagagagc cttcaccaga 60
aatggaaattt gctggcatct taagtttggc cttcccgagcc ttcaaaactg tgagaaaata 120
aatgttgttt aagcccttgg ngaaaaagac aaannaaact gctttcaaa aaactnanna 180

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anaanttggga cggnncggg ggncncntn gtgnncttc nacacnnccgg gnntttttt 240
naaanggggg gggccccccc 260

<210> 305
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 305
gtcagctca tcatgaagaa tgtccatgtg actttggta ataaaataat agatccagtg 60
gactgtatc tgtttaactg agacctcaca cataatgtca tggttgacag ttactggttg 120
aaggaaatcc atgttggct tctgtggatg ctgattctt tccttctgag aagaaatata 180
acacactgac ttggaggtga tggggagaa aaagtacaag cagaagactt ttcncaactt 240
ctccataggc tggagtgcag ttgcataac atgctcaca gcagcctcaa ctcctggc 300
tcaagcaatc ctcctgcctc accctccata gtaagctggg accataggca ggtgtcacca 360
caccagggtt ctgtaactgg agactgc当地 tggactgaa aaaaggcaga ttaaccagga 420
gaaaagacat acagacttca tctgatggtn acaggtaat ttttacatgc atggaggcct 480
tcatagaaaa agaagtgaan gccctaaaga agtggat 520

<210> 306
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 306
nnactgnccg actacagctc acgactgeng ccagcatact gacaatgacg cagccggac 60
ctgggctgtc tctacccaca ggacccttctt gtggcccttc ctggacacac ccatgttcct 120
cccgatcac ccctcgtgaa ccccccacaa ccactgaact attctccaca gctacacttt 180
tgccatttca agaatgttat gtaaatggaa tcatacagta accttttggg attggcttt 240
ttcactcagc ataattctt ggagagttca tccaggttgt cacaggatc aatagttcat 300
ggtgccggacg tacaattaa cgttccaccc accaaaagac attgggttc ttccagttt 360
ttgactgcga caaataaacf aatataaaca ttc 393

<210> 307
<211> 304
<212> DNA
<213> Homo sapiens

<400> 307
gacttctcta tcaggcagca cccaccagag agcagttctg aaactgagac taccagatca 60
gaaacaaaca agcaaaacaaa aaaagaccca taggagctgg gagtgccat ccaagtacat 120
ccacatcatc cagtaaaaaga aacagaacct tgaagtcaaa cagactggg agcacacacc 180
tctccgtt gctagttgtg tgactaaggg cagtttctt actactctgt gctcctctg 240
taataatcaa tggctata atcccaccc gctggatcat ttccaaaataa aatgcataac 300
attg 304

<210> 308
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1)...(365)
<223> n = A,T,C or G

<400> 308
gcctatccag taacagagtc tactgcatca tattaactga taaaccagg atgacaagag 60
aaacatggga ctcactctc atttgatttgc actccagcta agagcttcag ttttcatgct 120
ttgcttcaaa attattgggtg agccctgtgc taatttccat ctcatccat aagtcaagtta 180
ttttataagc atgtaattgc ttataaaaat aagctggaa ggaagaacat ttggaagag 240
ggaggcatat gcctgaaaga agaaggggat gggaaatacag tcagttgcta ttttggccca 300
naaatatgtc aggcaaacat gtaggnattt natttcctt attgnctta ttattggaga 360
aagac 365

<210> 309
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 309
tgggactcct gcttagtcga actgagccca gtggcggtgc tcatgcctgt atccagcctt 60
ttggangccg ggcaggcnga tcacganatc angaaatcaa gancatnctg gccaacgcaa 120
tggaaaccccg tctttaccaa aaatacaaaa aaattaacca ggcgtggtgg cgggcgccta 180
tagtcccacc tactggggaa gcttaggcag gaaaattgct tgaacctggg aggcagaaat 240
tacactgcct gagattgcat nactgcctnc acctgggcaa caagacaaga ctccgtct 298

<210> 310
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 310
gtcaccagggt atgcccctgg gtcctggccg cagctgatcg ggtgcttaggt gctgaggata 60
caccgtctgg gagaaagcaa ttgaaagaaaa tgcaaagctc ttcaaaaggag acctataaaag 120
tcatcttgc tttgttcat cttctcatgt ttctgcattc tggcattct cctaaattgg 180
ggagaaacca aaatgcccag aagtcaaatt ctgcaactgt catcaagcaa aatgtcaaat 240
gagagaacca aagtatgctg gattctatat tggtaggaag ggatggntaa ttgattgac 300
tcttggagc tatttctcta gcattaagta attctaggaa acccttctgt gatcatctct 360
gagtaaataa agaaangaaa ttgcaattca aaaaaaaaaagc cagcgaggcc anttcagctt 420
ggacttaacc aggctgaact tgctcaaaag ggggggggg 459

<210> 311
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = A,T,C or G

<400> 311
attccggctg tgggctcctt ggaggaagag cagaggtgaa gcgcttctca tcccaccaca 60
tcaggggtcc tgcctcgccc cggctcactg ctgatgttga cctcggtac ctggcagagt 120
gtgctggcca gtttctcca gcatgaagtc actctcgttt cccttggcga tgctccttcc 180

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atcaaaaacca gagtgtccca gctctagatt ccccacccaa ttcctgtgg ctgtctcaac 240
acctccgtcg tgaatccgtg catccctca gacgactgcc ttccgatgcg gccctgaccc 300
gccccccctc ccatcaactga ataggactcc tttctcctg gatttcctgt aggaagttc 360
aaaatgctct ccaggnttc tgnnggtgga ttatcctctg gatcttcta aagtgaagtc 420
ctggttcacacaactccc ccgacacagt tgaacaactg taccgnnnnn aggcttggnc 480
ctcttgcccc atttggggta tgncattgna atcatgccaa gggccctgac gtcanaactt 540
cacctgacat gtgctcatgc cgggttacaa accttccaag acaag 585

<210> 312
<211> 117
<212> DNA
<213> Homo sapiens

<400> 312
catttgcac attgaaaaag acctaaccgc acagctgact ccaggggtgga aagaccaacg 60
acacgcccggaa attcatcctg cactccagcc tggcaacaa gagcggaaact ctgtctc 117

<210> 313
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

<400> 313
agtttggctg ttttgctcan gctggagtgc tgcgtgctg tcatacccac ctgaaaccc 60
gatttccttag ccttaagtga tccccccacc ttggccttcc aaagcattgg gattacaagc 120
atgagccact gc 132

<210> 314
<211> 263
<212> DNA
<213> Homo sapiens

<400> 314
atgaaccatt tctgggtcag aaaaggctcc gatgctgctt ttatgaagga acataatgct 60
agcttggaga tcacacaatt gcagacctt ttccctccgg tggaaatat actgaagaaac 120
agaagacacc tgctccct tcacccca ccatgattgt aagcttcctg aggccctcact 180
gaaagaagct aagaagatgt tggcccatg cttgtatagt ctgaagaacc atgagacaat 240
taaacctctt ttcttataaa att 263

<210> 315
<211> 362
<212> DNA
<213> Homo sapiens

<400> 315
gtctgaccctg tcagtggctc agctgagatt caaacccgga gccagcacgc tgaccagg 60
cacctgtgcc cgacatcatg cacgacagcc ccaaattgtt agcaggccag gcccggcacag 120
aaaccactgc gcacagatgg tctctccctc ctgtcaccgt gaccccaac ccctccctc 180
agcgctccgc cccagagggt tgctgcacatg gaacttgcgg gcacaggacc tggacagccg 240
cacttagcaa gctctccctc cacccccatg gtactgtaa ggtggggagt ctgggaccat 300
ggggccaccc acctccagca aacacgccc aagcacctt gaaaattcaa ttctgcctcc 360
ct 362

<210> 316
<211> 141
<212> DNA
<213> Homo sapiens

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<400> 316
gtttttggg gattgaagaa gatgaagaca ttgcaactaa taatgacact gctactacgg 60
ttgttaggaag gaacgcacta aggaataact agaaacggat gaagaagatg atacagagcc 120
acgctgcagg actatttga t 141

<210> 317
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 317
atggagtcta ctctgtcacc caggctgacc tcgactcaca gcaacctctg cctccaggg 60
tcaagtgatt cttctgcctc agcctcccgta gtagctggat ctacagggtgt caggcctctg 120
agcccaagct aagccatcat atccccgtgt atctgcaccc acacatcccg atggctgaag 180
taagtgaaga tccacaaaag aagtaaaaat agccttaact gatggcattc caccatttg 240
atttgttct gcctcaccct aactgatcaa tgtaactttga aatctccgc acccttaaga 300
aggttcttg taattctccc cacccttgag aatgtacttt gtgagatcac cctctgcccg 360
caaaaacattt ctcttaactc caccgcctat cccaaaactat aagagctaata gataatccac 420
caccctttgc tgactcttt tcggactcan ccgcctgncc ccgggtaaaa taaaaagccn 480
tgtgtcacgc caaaaaaaaaa aaggcccg 508

<210> 318
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 318
gtggggtcttcattggcg cagagtctgg ggctggcatg gctgctggc tgcttggc 60
tgaggaccca ccgtggagtt ggaacctgac ttgtcggcg ctgaggaccc gccaagttag 120
gaacattcga gttctgcgc tgctgctaaa accatgggtgc atctccaggcccgtctatc 180
agtgccatg cgtgccatac ggtgcgcac gtgaagtgc cctgtaaacat gatttaattc 240
aactttcaaa gccacccgaa tcgagaaagt gcctatgtca ccatcttgat tattattgn 300
accatttga gatgagatta ttgaaactca nagaanggat gnaagttgg tcaaaagtca 360
cccanacaga acctggtgat ttcaaacaa agttctcctg gctg 404

<210> 319
<211> 237
<212> DNA
<213> Homo sapiens

<400> 319
gaattgtccatgccaagag agctgccttgc cagaagtga cactcacttc caggagtcag 60
cctgcatcca gtggctgtca aaggggggagc aattctgcag gatcatccgg gcccctgagc 120
tctctgtaga acagctgaag cgaccgcac gcctcaactt ctccttccac ccattccctgt 180
ttcctgcctt ccctgctcag gggtaactcc aagagcaccc tccagtaaac ctcttg 237

<210> 320
<211> 218
<212> DNA
<213> Homo sapiens

<400> 320
caacctatcc aggataccat gtttcatat gttgtcatgt ctcattgtt ccagaaagt 60

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gtcccaactc agactccaag agagagttt tggacctcaa gcgagaaaaga tttcagagca 120
agtccacaga gttaagtcaa ggttctaaaa cactatattt tgggagtgc gcaagggttg 180
gccaatgga actgaaataa caagtgggtt tgatatcc                                218

<210> 321
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(226)
<223> n = A,T,C or G

<400> 321
cttcattaaat gctgcattga aaggatgaaa cagaacggat gtgaacaaga gttccctgag 60
aaaggacagc tcttagagag ataggataat tactggactc aagaagatac caaatcatgg 120
tgtgcatttc tgcgttgtgt ttgaaagagg aactaggatt gttatgaaaa ggaaggatgt 180
gtcaactta naagaattaa acctaacc tctgtcttt cccaac                                226

<210> 322
<211> 177
<212> DNA
<213> Homo sapiens

<400> 322
ctgaaagaaa tataagaaat acaacctaattt actgttatga agtgttcctg aacaaaaata 60
cagataagct gtttaaaat attatctta ttgttatgtt catatcagga taactccaac 120
taaggcaatt tgtctaagta gtcattttt taaaaagaa aagtaaaaat agcaatg      177

<210> 323
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 323
gccgcacttgcgtt tcacggacca cagtgttgca cgaggtgatt gtgtttgcag 60
agttttttt gtccttgaag agcacttagg gctggagagc aggacacatg ctgacgagca 120
gaagctgaca ggcttgcgc catgtggaa agtccttggc cgagttgtct gcttgcggag 180
aggtgtctgc ggctcaggta tgaacaaaag aaacatgctt cacttctggg cagaatcccc 240
aagagctacc atgaggtcct ccgcttctct ttctcccta ccacaagact gacatgactc 300
caagagggac tgctcctta gcctgggtcc ctagaatgaa gattgatag cagaaaaact 360
tcagccagcc tgcaatggac ttgtgggtt agcaataagc ttttgttggt ataagccact 420
gagagccagg ggctgtatgt tactgnngca gaacttaact gaagctgact aacactggta 480
ctaacagaat cattttcaaa tg                                502

<210> 324
<211> 229
<212> DNA
<213> Homo sapiens

<400> 324
acaaatcata acgaacagag tccagttagt ccctctgtcg caacaagtcc aggttactc 60
aagcagtggaa gacggagttt caccatgtt gcaaggctag tctcaactc ctgacttcaa 120
gtgattcgcc cacctcgccc tctcaaagtg ctgggattac aggcatgagc caccgtgtcc 180
ggccccacta cattttaaa gaagcaataa attgaccttg tttaataac                                229

<210> 325

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<211> 297
 <212> DNA
 <213> Homo sapiens

<400> 325
 gtccttattca cggttactgg gagctggagc ttcaacagat cttttggaa gacacaattc 60
 aactcacgac agggaggaag aattgcgagt acttgctact gctgtgatgc cgtggagtg 120
 gcagaaaat caatgccaga tctaaaagga ctggaggctg tgagttccat ctcttgttct 180
 ctctcacccct ctgccttcc actatgggt gatacaagaa tgccctcgac agatgctagc 240
 actttgatac tggatttccc accctccaaa gctaaaaat aaatttctt ccttat 297

<210> 326
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 326
 gagcagaaaat gtgaacagct ggaggccgga aaagaaaagga cacaagcgga gaagaaacac 60
 cagaggaaaa ataatccctt agagggtaaa gaacaaataa ttgaataagg gattaaaaaa 120
 cacacaagga gagatccctg gtaattaccc ttgacagcca gtgtgaaaag ggcccgggat 180
 gggggctttg tccctccctt ctccgctcac acctctcagc cgcatctgtt 240
 tgctcctgtc ttgatttaga ataagctcct tttctctaaa gc 282

<210> 327
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 327
 attccccccct gctgacagtg tgtgcctgg cgatggagca gtgtccttgt tgcagattt 60
 aaccactttc acctcgtaaa cagcagctgg tgagaggaat ggacttgcac attcattcgt 120
 ttacaaaatg aagaaactga agcacagaga aggaaggaat gatttgca ggaggtggta 180
 tttagataac tcatacatttt ctctcattac ccacatttgc ttctactcct gtatgttt 240
 gtttaaaggc aatagactcc ttgttcctt 269

<210> 328
 <211> 174
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(174)
 <223> n = A,T,C or G

<400> 328
 cccgagcgcc tcccgctcct ccgacgtgga ctcgtggctg taatagcgca gcaggaaggg 60
 ccagacctcc ccgaggattt acacatcaat accgccaag aaaatggcct ggaggaagcg 120
 gcaaaagtggt gtgagggat naaatggggc agctcaaaga acccccaaattt cccc 174

<210> 329
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 329
 agaaaatacc tggtaagccc taatggaaac catctgttag aaaaagaagg agacagaatc 60
 gtggagctct gttgacttcc ctcgtcttac cagcaaaagag aagagggtgt aattctta 120
 aaaaggaaga aagaagagag atcaaagtgg gagaaggaaa aataaaaaga aaaaggacta 180
 agcactttct tctttcctct gagagactgc ggtggctct ccaccttcc ggagactcgt 240
 cagcacctgc ctggggaca gcaccacatc tttaaattct aaggttctaa ccccttatt 300
 cccaaattct ggagttcaact aacaaagtgg ttttcattct taaaaaaatg aaatgaaacc 360
 aaagagggac acacagaggg cttccaaaat aaaatgctag atctt 405

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<210> 330
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 330
gacagaagct ttttagttt acatcaactaa tcatacaggaa aacacaatc aaaatcacaa 60
tgagatatca ccttatacat gtgaggatgg ctattatcaa aaataaaaaa cacaagtgtt 120
ggcgaggatg tagagaaatt ggaaccgcgt gttgggtggga acgaaaaatg gtacagccac 180
tatagaaaaac aacttccacc ccaagaagtt gttaatcaca cagtatttct gaaaaggcat 240
ccttgcctta tgcaaggctg ccaatagcca aaaggaggca tctgagggaa ggaaaaaaaga 300
actgcaccat gcatgcatga agttggcaat ttgaaaaaaga aatctgaaac aacattgcag 360
gcagaaaaag cagaaaaagag gagatggtna gagacataaa tggggattt gggcaacag 420
gaaattctgg cccc 434

<210> 331
<211> 167
<212> DNA
<213> Homo sapiens

<400> 331
ggaccataaca acataatctt tatagtctcc agcaacaggt atgccttccc ctctacactg 60
tgcttcctgg gggctaagga agaaactgag actgcatttc atccttcagg agtgagaagt 120
tttgctcca gtcataaaata cttgctaat aaatgaatct tctattt 167

<210> 332
<211> 254
<212> DNA
<213> Homo sapiens

<400> 332
actgagatatactttagga cacgtataaa ctatgaaact tcatacaca 60
cacagcaactg aggacatgtt ctgaatacag acaatatggaa ggcctcaggc tcagaggatg 120
gcagagtctt cagatggatg gagggagctg cagtcactga accactgcag ggagagaagt 180
actcacagac caggaacgct caacttgac tgttatgtga cagagtaata ataaacttct 240
atttggttt gagt 254

<210> 333
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 333
gatcctgtgc actttattct tccctaccag cctcagaagc cacgtgctga agacagtgaa 60
gttctgtctg ggaagaagca tcgatcccta aatggctgca tggagcagag cagagatgtc 120
tgctcaactaa gttggttcga agctgaggag gaaaaaaatt aggtgcttagg atgctggaga 180
gatcctcaga aaccctctta catgaatcat ttaagtagat gaagagctag attgcaataa 240
tcattggag gagaagaaga ataaaacatg agattccatt cacatcccac aattaaagg 300
aaaatggta aaaagtgaca tttcaaaacc tgaaatcaca ctggAACGGT atttgcattct 360
tgtaggtaa caataaaaat ttaactntna aaatanggcc cnnggggggg gggcatgcc 420
cg 422

<210> 334

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<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 334
ttgaagccca gtattnana tccagctgga atcacagggg tttcttgaaa ggcccctccc 60
tgaaaccctg gaagaatctg gagtcaggag aagtgtgcat gttgaaaaaa tcacagaatc 120
atgttaaggaa tgaaaggaaa gccccctct tcaaccctga ctccaacaat cccactgctc 180
aaaggaaccc agataatacg taggaataac atacctacgt gtttcttaca tatttagaaa 240
tatgtcaaca taagtctttaaaacataag tcattataat taagtcattt gtacttgaga 300
agtccataatg tacatggta caatgca 327

<210> 335
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 335
ggattttacc gggtcgccca tatcagggac acttggaaat ttgcctacaa atatttgccc 60
gccttccagt gcagcccttg gaattaaaaa ggaaaattcc tgccctcaga taaagatagg 120
gtcttgctgt gttgcccagg ctggctctgg actcctggca tcaagcaatt ctcccaccc 180
ggcctcccaag agtgcgtggg ttacaggcat gagccactgt gcctggtcaa ctgtaacatt 240
tgattgcttg gggctgcctg aagcatttg aggatgagag gagagcattt atttctttt 300
ggagagaaaat ctcaacacgtt tgggcatagc tggctccctt tattcctgct tttcatcgcc 360
tttggctaaa ctgccccatggaa gacctggccc ctctacccctt attttagaca cttaaaaaaa 420
cacgggcncn ctttggntan anattttaaa aaaccccccac 460

<210> 336
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 336
gagttctgaa accacacctat acttggaaata gaagccatgt gaaaacaaaag cccctgcata 60
actcctatct gcctggaaatg ctgttgtgtg anggtgtaat gtttgaagct gtggctgcca 120
tcttgtgaca aaggggcact ccgtgtgtc aggatgagga cggcagagga agatgctggg 180
gaaaggctgg atctgccccatggaa gacctggccc ctctacccctt attttagaca cttaaaaaaa 240
tctgttttg tgagataatt tcacgtatccat atgataaaaat tattaaaatt tgggtatccct 300
gttat 305

<210> 337
<211> 174
<212> DNA
<213> Homo sapiens

<400> 337
gcttagtcaag tgaagcagtggagttttgaaatggggaaaaggagcaaaagaaatctgtaaatgggttgc 60
ttccatgaac tttttgaaatcccctgtat tggctcccttccctctctgtcttacttct 120

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ctactcccta caagtgtttt ctgggatcac ctccaaataa actacttgca atct 174
 <210> 338
 <211> 98
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(98)
 <223> n = A,T,C or G

 <400> 338
 tacgtccaaa ctgagggatg ntaccgggtc ggccatatca gggncacttg naaatttgcc 60
 tacaanatn tgcctgctt ccagngcagc ccttggaa 98

 <210> 339
 <211> 291
 <212> DNA
 <213> Homo sapiens

 <400> 339
 aaacagaact ccagatttaa aaataaagga ctgtatttcc cagcatccct tgcaagctagg 60
 tgtgggcattg caactaagtt caggcttaatt tcttcctgaa agcatacaa gaacctacaa 120
 ctgaggcctc ctggaaatat accaaggcac catccacccc ggggccttg tacttgctgt 180
 tcccttgc tggaaagactc ttctccaga tatctgcagg gccccaccct caattcattc 240
 ctgtattagt ctgttctcac actgctaata aagatataacc agagactggg t 291

 <210> 340
 <211> 271
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

 <400> 340
 attctcatca ctgaatctcc actgaaaaaaaa acagggtttgcacattgtt aatttactga 60
 aaagntgang ccaggcgtgg ngnctcacac ctgnnattcc ancacttga gaggccanga 120
 tggaggact gcttgaggcc agaagttga gagcagcctg gtcaacatag ncagacctca 180
 tctctaaaaaa taaaaataaa gtanataaaa cataaaaaaa gaagaaacnn cnaanaaaaa 240
 angggcctcn gnggcnttt aacttggat t 271

 <210> 341
 <211> 285
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

 <400> 341
 tggggagatg tctgcgtnct nctncttgag gagaancgg gataaatggc cttgangcca 60
 cgaggagcca gtgagtggtg cctggAACAC cgtatgatgc ccagaggagc ccagcagtca 120
 tgcctgaca gcagcatatg gtgcgcactg gaagaagggg aaaataaggt caggaaggca 180
 gactggagc ttggattcga ggctgaagaa ctgccatcaa atgttttga aaggtgtgaa 240
 ataatcaaaa ctgtactcca tgatgatcaa agctggcata gtgtg 285

 <210> 342

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<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 342
atggcgtttc gctcttattg cccaggctgg agtacaatgg cacgatcttg gctcaccaca 60
acctctgtt cctgggttcg agtgattctc ctgcctcagc ctccccaa gctgggattta 120
caggcatgtg ccaccaagcc cagctaattt ttgtatTTT agtagagatg gggTTTctcc 180
atgttggttca ggctgggttc caactctcga cctcaggtga tctgcctgcc tcggcttccc 240
aaagtgcgtt gattacagat gtgagccact gcacccgttccc aaaagtgaag tcttaattcc 300
taattacttt gtctcccttt gttattaaact tctttcaact tcttgaattt actgnactaa 360
ctgcaccaaaa agaaaaattt ctgattata taattcatgc 400

<210> 343
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 343
atccattatt tgggcaggat tctgtangga aaactcatca ccacttnata tancatcagc 60
catgcggctc anctganggc tgntggatcc acttnaaga tgactcaactg ctggctggct 120
gttaatgctg ggntgaggcc ctggggcctt ggttngtctc cacattgncc tctccattan 180
gcctggactt cctcacanaa tggggacga gnctctaagg gtaaacatcg caagagagaa 240
aaccanacaa gagacaaaaa cttgcctttt gtgacccatcg ctcagaaatc acatagtgtc 300
tattaatttga agcaagtccc aaagtccac ctgggttcaa ggggaggaga tactgactac 360
actgtccctt atgggggggt ggtaaagatt ctgaaagaaa aatgggacca naaatgntgn 420
tgcaccnntt tggggaaagg gaatntaacc caaccgggt 459

<210> 344
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 344
attcattctc atagaaggc atcagaggaa gataaagaag gatcctcaat gtcagacatc 60
tgagccaaag ctaagccatc ataattccctg tgacgtgcac atatacatgc cccactccaa 120
ctaattcaatc gaccccttga cattcctccc ctggacaatg aatctcatga tctcccaacc 180
ctgcaccccttgc tgacccttccc cctggccaca agagataacc acctttaaatg gtaatTTTcc 240
actacatccaaatccat aaagctggcc cacccttac tcccttgct gactctttgt 300
ggactcagcc cacttgcacc caagtgaat aaacaaggct tggtgcctcc aaaaaaaaaa 360
aggccagnngn ggcacattna gcttggactt aaccaggctg aacttgntna aaaggggggg 420
act 423

<210> 345
<211> 238
<212> DNA
<213> Homo sapiens

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<400> 345
 tttcagagag gaggggagct gtgcagagat gtgctggagg agtgcctatt ggtgaccaaa 60
 gacatggat gctgaagcga tacagaatgc cacctggaag ttcgttggaaa ccattggcg 120
 ctaggtgtgg tggcttcgtg cctgtaatcc cagactttg ggaggctgaa gcaggaggat 180
 cactggagac caggagttca agaccagccc gggcaacata gtaagaccct gtctctac 238

<210> 346
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 346
 aaaaaggtaa tatttaagcc tgaagttaa actttcttg agatccactc tgaagattta 60
 ttaatttctt ggggttggc ctgcattctg cccctggctc ccaccatgta tccatgaggc 120
 atgcatttta acaaacttct gtttggatcc 151

<210> 347
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(423)
 <223> n = A,T,C or G

<400> 347
 gtggccatta ggggttgtcca gaaggctggg gaagcacaga caagggttaac tgcaaaccga 60
 cagcacaatg ggataccctca gnatcccccc aggatggctg taactcaaac gacagcaaca 120
 ccaatgcagt agacatgagg tttcatcacg ttgccaggc tggtctcgaa ctcctgacct 180
 caagtcatct gcctgcctcg gcctccaaa gtgttggaaat tacaggcggtg agccaccgca 240
 cccggcctgt ttctaccatt ctggaaaaca gtttggcact atactaaatg cctcagcagt 300
 ttcaacttttgc gaaccttctt tgccctcacc cctggaaat aacatttgcc aaaactcatt 360
 gaactgtact cttaaaatgn ggacatttta ttatatgtta actataattc aataaaaattt 420
 gtt 423

<210> 348
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(456)
 <223> n = A,T,C or G

<400> 348
 gattatggat tatggatctc tggaaaaaaa acattttagtg tcacagcaaa agaagttttg 60
 agtttatata caaattaagt aaaagactaa tttgggttt gaaaaactcg ttctctaaac 120
 ttttacagga agtttaata aattacatca tgaacaaaac tgcagtatgc cagttcctat 180
 cctcatgacc tcacgattct gcctgagctc cacatcaatg aaaggaaaat cggataatga 240
 agcaacttagt ctaatatctc aatagcaacc accaantagg attactttt agaaaagaaa 300
 aaaaaaccta accttatatg taaatgtatc tagtgngcaa atgacataat gcttatatgn 360
 atggaaatct atcttagnggg ccaatgactt aatggccnngg gnngggaaac ngngggcgg 420
 aagcccccaa ttccnccctc cnngtttgg aaaaac 456

<210> 349
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 349
 gataaaagttt gatccagcat attctaaaat gctacaagac tgccagcaag tttcaaagac 60

acatcagaga gaactcaacg gcctgacctg gagaccagga ggatgacatt ctcattaggc 120
 aagagatgtt ggacccttctg cagtaatggaa aaatgaaaatg caccactctg ctctaaaagc 180
 aggggctatt taccctgtac ctgacacact tctcaaagct ctcacaataa aggcacccag 240
 catccactt 249

<210> 350
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 350
 aatttgagaa tctgtatgatt gcagctggaa agactgcaga gagcacctgg gtcaacccccc 60
 tcatttttgc aaaaaggaaaa taggccccaga gaaaagaaaaag ggactgtccc aagatcgac 120
 agcaaccattt ttgacccctca acaagtactc cctgactcca agcaataagg gtgaaaaaat 180
 aaggaataaa ttgtataaag cacgt 205

<210> 351
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = A,T,C or G

<400> 351
 agtatggtgg aaangatgnn acgcccactc cangcctaac ctntaggagg actggcngtt 60
 tntgctatgg cctctggnn ccatganctg ccatgaaaaa ngncaaacta ctctgctgga 120
 gacacccacc tggagaagcc ntgggnattcc atgganaggc agacggaccc agctgagctc 180
 agtgttccag ccatccccac gaaagcacca ggaaccttagg taaaaccatc tcgatccctcc 240
 agcatagcac aatcaccnnc tgaagatnac tgagtgactc tagncggnag ctccatggat 300
 cactgaagga tcaccctntt gaaccctgcn caaatttctg actcacaaaa ctgtnganca 360
 tacaatggtt ggtggtagg gggcagttt gtatnctttt ncaattaatt tgccggaaaga 420
 gnccccaann aaaaaataaa ggggggcccc gcaaggc 458

<210> 352
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 352
 tgcttgtagc gctgttatgt ccattccctcc atcatccccca cttccacccg gagggtgctac 60
 tggctccccc agggcctgac aggggtggta accccacggg aacatcaggg cagcctggc 120
 aagacaaaagg cagtttactt ccacaactgt ccagaatcaa ggatccggc cgggcgtgg 180
 ggctcacgccc tgtaatccccca gcactttggg agggcgaggc aggcagatca cgagatcggg 240
 acaccgagac tatcctggct aacacgggta aaccccgctt ctact 285

<210> 353
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = A,T,C or G

<400> 353
 gtggaaatgtt atttccaaaa ccaccagctg gctagaactt tactggacctt aaacatgaaa 60
 gtgcagcaat tgaaaaagga gtatgaactg gaaattacat cagactccccaa aagccaaaaa 120
 gatgtatgtt cgaatccggaa ataaagaaat gcacacgcaa gggctggcgg cgggtggctca 180
 cgccctgtat cccagcactt tgggaggccg aggcggccgg atcaagacgt caggagattt 240

agaccatcct ggctaacaact gtggaaaccc tgcctctact aaaaaataca aaaaattaag 300
 ccagacgtgg tggcaggcac ctgtactccc tgctactcag ggagtcttga gggcagggag 360
 aaatggcgtg gaaccccnng gaggcngga gcttcgactg agcccgaaat cgtggccact 420
 ggtactccaa gccttggggc caacaaga 448

<210> 354
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 354
 ctacaacagg gtgcctggcn cnaggagata ctcantaaaa ctctcatctg ctgtgtcatt 60
 aaggggaaaca cttaatggct cacgcctgtta atcccagcac tttgggaggc cgaggcggan 120
 gatatcacctg agcccaggag ttggagacca ncctgggcaa canattgaga ccctgtctca 180
 acangagaag aagaagaaga aaaaggccag gcgccgtggc taatgtctgt aatcccagca 240
 ctttgggagg ccaagaaggg agaactgttt gagggcagga gttcagacc agcctggtca 300
 acatagcag acacccccc catctcaaaa ataaataaaat caaaataaaa aataaagagg 360

<210> 355
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 355
 ttcttcgtng actctggaaat ggagctggaa gctgtcatcc tcagcacact aacgcaggaa 60
 cagaaaaacca agcaactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120
 ggacatatga aggggaacaa cacactctgg ggctgtgag gtgcagggag agcatcaaga 180
 agaacagcta atgggtgctg ggcttaatac ctgggtgatg ggttgatctg tgcggcaaac 240
 caccatggca cacatttacc tatgtAACAA accttgacat cctgcacatg taccccgaa 300
 cttaaaaata aaagttgaca aaaagAAAac ataaaaaaaag ggccaggggg gccaatncnt 360
 ttgnacttaa cctggctgaa cttgttc 387

<210> 356
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 356
 gacgggnact ctctgngatg ccattccagn nnntacntgc tacnggctgg ctacctnac 60
 tgtggagctc cagagaccan gaangataac ntcattgnc atagctactt gtcagcgcac 120
 aagaaaagtga ncacacaggt ggtaccaang accttccctt tctggttcca agataatggc 180
 nggcaccnaa ggnctattcc tctaccctac tggnttatca ctgggctgaa gaancCAAAG 240
 tagtgaatta cccacttagga cccttggaaaga ggaagtacaa cggttatcct cagtttcccc 300
 tgaatnnngg aatgagctcc tgggttactg aaagtctact ttgggtccctt gaatttaacc 360
 caatcccata tgtgataatt atttagcat attgataat aaaagaattt aagaaggg 418

<210> 357

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<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

<400> 357
gtcaagctgg tctctgggt ccatagggac acttcaggag aaaccgatta acattgagat 60
gtgtggaaac aggatcaata atttcagta actgaggaag attaccagaa gccaaggcg 120
ccttaacag agactgtca gctctgac caggactgtt aagcacttgg caggcaatgg 180
agaaagtcta attgtggctg acgttagtgc attttacact attgtcacac ctcccttata 240
cacattccat tttaggaaca gtataacctt cccagccaga aattgtctaa tttaaacct 300
gactcttacc tgtgtgaatc aaaatgactc anaaaagtgc aataaaaataa ccctgaggag 360
tcc 363

<210> 358
<211> 332
<212> DNA
<213> Homo sapiens

<400> 358
gttccaggag ttgcagaaat gccaccagga tctgcagaac acattgcaag acaaggagag 60
ctggaggac tcagaccctg acctcatcca aaagtgaaaa accaattctg ccaaagtgaa 120
tgtattttct ctccccaaag gcagacttga gaccccccagc ttcaagggtgg cttctgcctg 180
acttccagag ctccagccag tgcccttgc ctgaaacctc catgtccagg acccttggc 240
ggagaagaat ctgctggaca ctgcttgccc ctggaccctg agagcgctca catttgacac 300
cccagaaagc aaataaaaaca gttgaaatat gt 332

<210> 359
<211> 394
<212> DNA
<213> Homo sapiens

<400> 359
tcacagcctg ggctcatcac gaaaggcagc cagcaattca acggactcac tgcctctacc 60
tttctccttgc ttggatgaa gaatctgaat cttagaagccc accaaattca tctaacagta 120
gtgcaagcag atattgcttt ggaaaatatac tcagcagaga acactctgg gatgtatttc 180
atcagtctga tacttccaaac tctgccaggg aacaagctca ccaaaggctt ctcataaacc 240
agctctgccc taaacaccctt gggggattcc ccaacagtgtt cttgcgggccc taatgacact 300
catgttcctt ctcatgctta cctttcttgc cctgacgtga gtgcaaaaac ctatcttaag 360
caagataatt gtaaaaatac caaaaattttaa tgat 394

<210> 360
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 360
ctgattccctc cttccctccat actcccaagg cacctgaggt ctggcttcc aggctgtgt 60
acgacaggga cttaaagag gcaatgaagg taaaatgagg tcattcaggat ggactccgat 120
ataaccgggt tccttacaag aagagaagac aggacacgca cacaaggca gggtcagcc 180
tgtgaggaca gtgagaaggc ggccgtcgac acgccaagga gagaggctg ggaagaaacc 240
aaccttacac ctgacatca gacttctggt ctccaaaactt gtagaaaaat aaatttctt 300
tggtaagtc aaaaaaaaaaag gccagcgagg ccaattcagc ttggacttan ccangctgaa 360
cttgctcaaa agg 373

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<210> 361
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 361
gaggggcaca ccttcaggc cttagccctcg gcctggatga aggtgtggct gagcatccct 60
gttcctggaa cttggcatca gcatcaactga catcggaago acacggaccc cctcccaactt 120
cgacaagcat caaacccatc tcttctcctt gctctggcca ggtcagactg gagccaaactg 180
tgtgcagct cctgttggaa ctttggcagg gaggtgaggg ggagcaccag ttacaagcaa 240
aggctccgag tgcaaagagc cttcgcttat gattcaggaa tctctggca agttacctaa 300
ggtatcttag ccagcagttc gtcatacttg gaatggggag aatggcaaca cttctcataaa 360
gggttgaagt aaggaaataa aatgatataa tgngnattaa acccttaaaa aaagggttgg 420
ctggcatata a 431

<210> 362
<211> 253
<212> DNA
<213> Homo sapiens

<400> 362
gtatTTTca gaccctgcat tctgttggat ctgctgatgc cacccagact gataaactgg 60
ttcatctgac cttgtggccc cccgaccctt gaactgaact cagcacaaga agacaggctt 120
caactccctg tgatttcattc cacgacctaa ccaatcagta ctctccactc cctagcccc 180
ctgctccccca aattatcctt taaattttgg gggaggctgc tttgaataat gataaactcc 240
tgtccttctg ctt 253

<210> 363
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 363
atcctgcctc ccacagtcac cctgctccca agtgcaacct ctgtctgacc ctgcattgg 60
tgcgggtccc tcctgcctca gcctccggg tagctggac tgcgggcctg cgccaccaca 120
cccggtcaat ttttttatt tttttttttt tttttgggg naaanggggt ttaacnattt 180
nggcnagggn ggtntnnaac tccnnatnrg gggccnacc cgcntggcc tccnaggggg 240
ntnaaaattgn aggggggggc naaccncctt ggcnncaan aaattttttt ttggttaaaa 300
ntttttgggn nnggattgcc ccctaaaatg ttcccccatt gggncttatt nttaaagg 360
aaagncccaa agggnacttt atttttagnn tagaaaaaaa aac 403

<210> 364
<211> 132
<212> DNA
<213> Homo sapiens

<400> 364
gcatccaggt atacacacaa gctgcattgt gtcaactgcaa gcggctccca gagttgttcc 60
tttcatcca ggaagaaaga aaatcccgcc aaagatttag agagatcaat aaatgtattt 120
ccaaagaacc tg 132

<210> 365
<211> 435

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 365
tagtaaaang gggcctgctt ccccgtaacc ttccgccaca atcgtaagt ttccctgggc 60
ctccccagaa gctgtatgc ttctataca gtcgcagaa ctgtacat ggcattgaagg 120
ccctcaacag atggcagcac cttaataat gaactccc gcatccagaa ctatgagaaa 180
tcaattttt ttcttataaa ctacacaatc tgggtattt ttatggcagc aaaaaatcag 240
actaggacag aagaattctc caacgaaccc attcaggact ggtgcttct gtttgaaaaa 300
gtcataattt ctttatttt gnataaataa taccattttc aagttataat gntcattata 360
atgnatatic cactagaaaa tttaaaaaca ctgccatact gagggttta aagaaaaacaa 420
catggactag cattt 435

<210> 366
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 366
gaagaatatac naggagccct taaaacactt ngatnaacna tacnaggtt tgcaaaaa 60
ccctcatttt ttanncaaga ttgcaaagaa aattcatttc agttctacat ttggtgccaa 120
gcgttgttag ttgcagataa ataagataga atccagctt taagaattt aatctagtgg 180
aaaaaaaaacat aaatatttgc agttaatttt ttaggcgtca ggcactgtgc taagtactct 240
cattggtgac ttgattttt accctcttaa tctccatgtg ctcccccttc ccaaatacac 300
tccaagtaaa tataaaatct tagtggaaaac 330

<210> 367
<211> 351
<212> DNA
<213> Homo sapiens

<400> 367
gcttaatttt tcctgatcat gagagaagaa cacagatgt aacttgcactaa ggagcaaaaa 60
cccgcatca atacctgcta cagcacat gcagcatgaa aaattatgct aagtggaaata 120
agccagtcac agcagacaac ttgctttt tttcagggc ttataggca atctatacaa 180
agaaggtggg tggccctta gggctgaggg aggaaggaa aactagtggaa gatggctaaa 240
tcatgtgggg gtttggggg agggtgtatga aaatgttcta aaattaattt taatgtatgac 300
ggcataactc tcgaaaatac taaagttaat gaattctata cttaaatgag 351

<210> 368
<211> 271
<212> DNA
<213> Homo sapiens

<400> 368
ctccagctgc atctgatgtc actgctatgg cagtgaagaa tggaaaccaa aggacaactg 60
gctacttaag gaattaagcg gactaaatg aaaaccattc acagaagcg ttccagttact 120
ctggctgaga ctctgtttt cttacatacag cccacatttctt gaatataactc aatctacgc 180
aatttcaac tttagaaaact ttaactgtc cccactgaa gccattttca agctggaaatc 240
atgtataata aactactcca tctatttcac c 271

<210> 369
<211> 303

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<212> DNA
 <213> Homo sapiens

<400> 369
 ctcccacctgc cgagttcacg ccattctcct gcttcagccc ctcgagtagc tgggactaca 60
 ggccgcgcacc accacacccg gctaattttt ttgtatTTT agtagagatg gggtttcacc 120
 atgttagccg ggatggtctc gatctcctga cctcgtgatc tgcctgcctc ggcctccaa 180
 atgtgctggga ttacaggcgt gagccaccac gcccggccgc tctttctta aatatctgg 240
 ggaggcctca aaatcaaataat gtctaaaaca gaactcatca tcaataaagc cattcgcca 300
 ttt 303

<210> 370
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 370
 ttgttattca agacagaaaag gaacacctac ccaggagctc aatcacattt catgcacaga 60
 cacccgacaac cacacagacg tgtgaacaca tcccccaac gtgagaacc gcagcataat 120
 ggactcattc ccatccaaat acccattca tctaaagtgt aaaaataataaaaagaacctt 180
 ctgg 185

<210> 371
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 371
 gcaaaaacatt ctctgcaatg tgggtgagt ggcaatgaga acacccaga agacactgg 60
 tagcttttc aaactcttcc ctccacattt agattcagat ctcagaagta ctggggaaag 120
 agggttgaga cttgtggatt ataaatcaa aaaaccttag gttctgtgc agcccttcct 180
 accaccacgc cgcacctccc taccttgaga atcgctttct gtctgtttt atgagaacac 240
 tacttcgcc ccaaataatc catcatactg ctataaaag tcaagttcca aacc 294

<210> 372
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 372
 aaaacctgtg gctggtctgg gtattgtcat gttcctcat ctcttcttgg agcacacaat 60
 gagagacgga gtctcattct gtcgcgcagg ctggagtgca gtggcgtgat cctggctcg 120
 tgcaagctcc gcctcccggtt ttcacgccc tctcctgtttt cagccctccg agtagatggg 180
 actacaggcg cctaccatca cggccggcta attttttag ttcgttttag taaagacggg 240
 gtttcaccgt gttggccagg atggtctcga tctcctgacc ttcttgtgat ctgcccgcct 300
 cggcctncca aggtgctggg attacaggca tgagccaccg cgcccagcca tattttaaa 360
 ttatctaaag aatgtatattt gattgtttt aattttaaagg atgaatgtttt gaggagatga 420
 ataccccat tccatgtatngcttattt ataantcatg cctgtatcaa aacatctcat 480
 gtacccata aatataataca caaaaactttt at 512

<210> 373
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(231)

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<223> n = A,T,C or G

<400> 373
aganggtntc tnacgatgnt gcccacactg gccttgaact cttgggctca ancgancctc 60
cngcctnnnc cttccaagta cnctagacta naggnacang ncgctgntna ntgatgcact 120
ttaatccca attttagga gctctgtgna atgtnntcaa gcatttcca ttttttaatg 180
attnaagtat ttgagcactt tgagctaatt aaatttgaaa ttgtttaaaa t 231

<210> 374
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 374
accaagactg aaattggcct gcagatcaaa gaccatggca aaaaattcct gacattggaa 60
actgccttcc aaaacatccc tgtgcctcat cccttctac acattccata taaagagatt 120
gttcatttt ccacctggca acgcttaat tggtttattt ttcttcatta aaaccaccac 180
gcctcttcat taaaaaaaaa aaaggncagn gngccaatt cagctnggac ttaaccaggc 240
ngaacttgnt caaaaaggggg gg 262

<210> 375
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G

<400> 375
cctcgcggngt tggagggAAC aaaactcttc gcgggtcttt cccagtgggg gaatccgaac 60
gggtattcga ataaagctt tgaatgaagc ccgccacaat ggggaatcgg gcccatttga 120
aacaaagaat gggaaattggc acgccaaggg ttcttcccg cccggcttg ggggtggaaag 180
aaggcttatt ccggcttatt gactggggc acaacaagac aaatcggct tgctcttga 240
tgcccgccccg tggttccggg ctgtcaaaag ccgcaagggg gggcccccgg gttctttttt 300
gtcaaagaac ccgacccttg tcccgggtgg ccctgaaatg aaactggcag ggaccgaagg 360
gcagccgccc ggctatccgt ggggcttggg cccaccgnac ggggcccgtt ccttgcgc 420
agttgtggc ctgcacgttt gtccacttgg aagccggggaa aaggggact tggcttgctt 480
atttggggc cgaaagtngc cccggggcca agggatcttc cttgggcatt tttaacctt 540
ggttcttngc cgagaaaaaaag gaatnccat 'tatnggntt gaaggccaaa tggcggggg 600
ggttggana acccctttgg aanccgggtt tacccttg 638

<210> 376
<211> 432
<212> DNA
<213> Homo sapiens

<400> 376
gaggaagaga agggcaggga gcaagagtaa aggctttgga gctcagcaag actgggttga 60
atctcagcct cattgtttac ttgatgtgta aaagcagggc ctcactctgt cacccaggct 120
ggagtgaagt ggtatgatca cggctccctg taaccttggaa ctgcttggc tcaagcagtc 180
ctcctgcctc agcctccaa gtagcttagga ccacagcaac tgaagctcc tgccaacagc 240
catgtaaatgta agccatcttgg gagcaaaac tatctggttc tcttcagacc ttcagatgac 300
tgcagcctca gctgacatct taactgcaac ctcatgagag accctgagag ccaaatactac 360
cttctgagc aactatcaaa cttctgaccc acgaaaactg tgagataata aatattttt 420
gtttaaacca tg 432

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<210> 377
<211> 410
<212> DNA
<213> Homo sapiens

<400> 377
aatgcggagt gcccccgaaa agtgcctccc aaaatgtctc aggtcagagc tgcaacctgc 60
gcaacaacgg ctaagatgag gaaaaccaag acacagaaag aaaaccattt tgcataactg 120
acgaacctgg atgagttcat cacccaaactc caagaaccct ccgctaggc tctgcctagt 180
gtccatgaac cagcagcacc ctcattacct gggagctgaa cagaaatgca gaatcctgca 240
cccaccccg acctactcaa tcacactccg ttcaacaag atctccaggt catacgtacg 300
tacagtacag ttggaaagc attgctctag gacagaaaga gtttctcaaattatttagat 360
gaatgatctt attagaccca tgctctaaat aaatgtaaag ataatttttg 410

<210> 378
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

<400> 378
tctgggagc tcctggtag ctccngctga gatactatna nactctgtga agcccgatt 60
anaaaaaaga tncaaatac attccgagga gcanatctt ctgtggtaac actgcattcc 120
anatgtgcga aaaagacagg gaaanacatg aactgcanta cattacggct aaagggagnn 180
ngcttattaa cttcc 195

<210> 379
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 379
ggagaaggc accgtgatgt gatggaaagg cagaaatcaa tggtggtgg ctcctcagtg 60
atatgatca atccatcaga cagactggc gcagncaccc agccttcaca gctaccaccc 120
ccatgctggc aaatgtcaca ttggaaatttccatttgcatactt ctggtagca ctccctgcgg 180
agttacatttgc aacaattttgc cagctgtgac agcttggaaat agaaaagcta atgcaactat 240
c 241

<210> 380
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 380
ccntcttctt acaaatganc ngacncagat gcgangannc ncaacgtcca catnnttgaa 60
gcaaagttac ttgtggataa acaaaggatt angaaatgga ctctcatntc totcaaaaag 120
tatcaaagaa gtgaaattca tcagaccact gtgtcnagac aatgagacgc cncatgccag 180
attccttattt tgncatgatt gcttccttan ccctccctag ttccctgttt cctgctcata 240
agttacattt cttccttgct atataatccc ctaatttcgg ctgggttggagg agatggnatc 300

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caaactgatn tcccatatcc ttagctgtag catgcaatta aagccttctt cttggc 357
 <210> 381
 <211> 329
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(329)
 <223> n = A,T,C or G

 <400> 381
 atatgctgct tggcaacnat tatatcacac atcacatacg tctggatcaa gtgttacttt 60
 gcaaataattt agctatggca ttaaagatcc ttcaagaac cttttgaat ggcttctcta 120
 ggtgacacag caaatggatt cctaagtatg catccattct cccggtaaa ccacgagtct 180
 caaaaagtag gcagcaggct ggaccgggtg gcacacgcac ggaatcccag cgctttggga 240
 ggcggggca ggaagttgct tgaggccagg agtgcaaaaac caacatggcg agactctgtc 300
 tgtataagaa ataaaataaa ttatccagg 329

 <210> 382
 <211> 443
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

 <400> 382
 atgtggacaa cgaacaaaga caatagagca gaagtgttgg caacacttca gtatgagcag 60
 actgggtggac agtgagagat tacagaagaa cacagctctg ggccagcagt gctgctgtcg 120
 aggtgatccc agcaggcagt gccacccacc aggaatcata aactgcacaa ggccagaggt 180
 gagtccttct gtaaatacat agcccttagt ccaagcattt aattgtcaca aaaacaacaa 240
 aaaataactcc tattaacagt gcaatttctc ttccaaggt ctacatcgag agaaaagaata 300
 ttaggatgct aatattgcat tgggtcattt gagcttaatg tttagaaata ataaactaaa 360
 ctgttttgtt gtctgaccaa aaaaaaaaaag gccagngng ccaattcagn ttggacttaa 420
 ccaggctgaa cttgcttaaa agg 443

 <210> 383
 <211> 460
 <212> DNA
 <213> Homo sapiens

 <400> 383
 gctttcatta tctcaattca caagaagtca ggtgccaagc agatccaagc tcattcagag 60
 gctgcaccaat gtcaactggg acccaggttt catccatgtt tctgctctgt cattatgtca 120
 tactccaagg gagtcgccag atgactgctg cagctgaggc ttttcttca cagcatctaa 180
 cagaggctgg ggagaggctc catgaagcac gtggtttctt aataccagaa gaaaattcaa 240
 gccttttaac atggcagtcc acagtggtag gaggcggaaa gagacttgg gtattcaaaa 300
 atgggttatac accttctact tctttggctg catgataactc agagatacca ttcatgtcta 360
 tatctaaatg acactcattt ttcccttcc taaaatggag cacctggctc caaagttctt 420
 ggacatctgg gtgatgcagt gtttcttca ttatccctt 460

 <210> 384
 <211> 426
 <212> DNA
 <213> Homo sapiens

 <400> 384
 ttgggtggat ccatggatgt gaaacctggg gataggaaag gcataactgta tcccctgcct 60
 ttagcagct cacaatataa tggggatgg ttccctgcca gcgaacatgc tggcttgcgt 120

tcaatcattc aaaacatgg agtgtccact gtgtgccaga cgtgctggc cctctgtgt 180
 gcacatcatc ctccctgggt tgatgctct tcgaggctca gttcagatgc tacttctcg 240
 ctggcttt ccagactgca tgatacccg gctgcctggc tgggtctcc catgtattcc 300
 acccctgacc tgtactggcc ctggtgcca ctatttatca aattatgtga ttaatatctg 360
 ggtatttct tacactggac ctcactcata agggcaggag ctctgtccc ttcacacacg 420
 atcctt 426

<210> 385
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (250)
 <223> n = A,T,C or G

<400> 385
 gttggaggag gaagctcgcc aagcgcatga accttcagac catggggac acgctgcagg 60
 aggccaca ggaggctgat gccatccagg aggagatgaa tgagaagatc gagcggctca 120
 aggccgagct ggtgggttt aaggggctta tgagtgaccc catgacagac ctggacacaa 180
 aaaaaaaaaaag gncnnngnng ncaattnagc ttggacttaa ccaggntgaa ctnnntcaaa 240
 agggggggaa 250

<210> 386
 <211> 165
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (165)
 <223> n = A,T,C or G

<400> 386
 ttgttgcgna nangacacca acatggnata cgaacccaac ggtggggaga agacnnanct 60
 gntcagaann ccccaggagt aaaatgcagc ctgtattacc ctgcctggag tgtatcctac 120
 ttggagtctt cttgttctgg gaggcaataa atttcttgc tattt 165

<210> 387
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (397)
 <223> n = A,T,C or G

<400> 387
 ctctgcgtt tctgcagagc tcctgcatta nntcaganct gcnatgnat ctggnctgan 60
 tngtgcgtt ccaaattcat atgttgaata cttaacctgc catgcgattt tnattggana 120
 taattcctt agggaaagcaa tgaaggtaa atgaggtcat aggtgggagc ttaatccaaat 180
 gggactgggg tccctacaag aagaggaaga caccagagct ctctgtctcc acacacagag 240
 aaaagaggct gtatgaggac acaagagaag gtaatagctg tctacaaacc aagaagagaa 300
 gcctctccag aaaatgaacc ctgctggAAC ttggtcttgg actttccagc ctccanaact 360
 gggagaaaat aaagttcaaa ataaagttot gttgtgt 397

<210> 388
 <211> 232
 <212> DNA
 <213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 388
gctgtttccac actgtcttac tgtccggaaa gagcaaacac ggtggaaagg gacagaagag 60
ccagaattcc gtcttagttt atcaactgatt tgctgggtga cctgggtgc ttcacttcgc 120
ctcagtctct ttatctgtaa tatgagaatg cgcatcgat ttgatgtgag 180
aatttaggtga gagttggcag gcactaaana aaaaagcatg cattaatcct tt 232

<210> 389
<211> 167
<212> DNA
<213> Homo sapiens

<400> 389
gtaaggaaac atgaacctgg agagataaaag tgacttctcc caagattaag tggtctctaa 60
aaggcagtgc caggactcag acttctgact tgaatcaga gtttctttc atcatcacat 120
ccttccttcc taatctgttg ttaataaaaac tcttggttt ctaggtc 167

<210> 390
<211> 187
<212> DNA
<213> Homo sapiens

<400> 390
gtcaccaggc gctaagcaag acccacagga tgctgccaac aggtctgaag gcttggtaca 60
cagtagggag aaaacagaga aggtgaaagg aagatggca aaaagaagag tggtaagaga 120
gaaagaagaa gtatttgaga tcctgccact gcactccagt ctggcaaca gaacaagatg 180
ctgcccag 187

<210> 391
<211> 282
<212> DNA
<213> Homo sapiens

<400> 391
gtttaaggag gcacaaatcc aggtgttccc acattacaa attactactc tggtagttga 60
aaggaatggc aatgacatcc tggtagttttt catggctaat ttatgtataca ctgcacactgt 120
aaaactccag gccatcaaca tttcaggaag gctatgtaat caaagtggtg acacttacta 180
ctgagaattt ttggtagctt ccagagtaca gcacaagccc tctctccacc tgactttcaa 240
ttacaacaga gggtcagaag agtccaataa aggccaaacc tg 282

<210> 392
<211> 146
<212> DNA
<213> Homo sapiens

<400> 392
caacatggag acaatgtttt cctgcattct tcattccaga agctgatgga ggaaaggccc 60
tatgagctgt gggctggctc tataggcccc actgtacttt agggaaattcc agtagcaaag 120
gaataaaaatc attttagtca ctatgc 146

<210> 393
<211> 190
<212> DNA
<213> Homo sapiens

<400> 393
tgtcaagggtc aagggtttga acgtcttgc agtcacgagt aaccagttat attggctatt 60
tcagaatgtc ttacagccaa aaagtccttgc aacgaaggaa gaagtcact aagtctcatc 120
agcaagggtc cagtcctct tcattctgc gtttgaaca ataaaaatga ctaccacttt 180

ctgagaacct 190
 <210> 394
 <211> 303
 <212> DNA
 <213> Homo sapiens
 <400> 394
 atggaaatca gttccagt gtaaccactc tatggacaga ctc当地atgga aaagaactga 60
 tggagaccct cagtcacga ctggcaagga attgacatcc tc当地tcaaa aacctgtgaa 120
 gagctggatc ctgccaacaa ccacgtgact gagcttgaa gaaaatcctt cct当地atgaa 180
 accttaagat acctgaaacc ccagtggat ccttgattgc ttaattgtaa gagactatgaa 240
 gcaggaatat ccaacctaag tgaaaacaca ggaactgtaa gataataat gtgtgttta 300
 303
 <210> 395
 <211> 117
 <212> DNA.
 <213> Homo sapiens
 <400> 395
 gtggctgtga tcttgaaggc aaagacttgg ctttatagca cccagcctat cagccatcag 60
 tcaaaaaaat ggaccaagtg ttgagtcaat taactttct taaattctct tgaccag 117
 <210> 396
 <211> 244
 <212> DNA
 <213> Homo sapiens
 <400> 396
 gcagagaaca catcatcccc ctggAACGTG agtcattgt gaaatgttg ttttaattc 60
 aaacttcttc acaacctgac gagtgtgtgg gagacccaag gaagctgaca tacaagggca 120
 gatttatttt tctgccagaa ggaaccatca acacaaaggc caatggtaac cctaaaaatg 180
 gaaatgtgct aaccctttt attgtcaagc aaataaaaaa attattcttc aaaggaggag 240
 244
 aaac
 <210> 397
 <211> 168
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(168)
 <223> n = A,T,C or G
 <400> 397
 taaaantgaa agtagctgat atgggaccac agaatattgg ccaatcagtg ttttacataa 60
 tgtctgtgga gtggccatgt gctctagaag agtgagacaa cttggcata accttcttta 120
 agagccaatc acataaacact gtgaatattt ataaaatttt agaccatt 168
 <210> 398
 <211> 477
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G
 <400> 398
 gctgtctgggg agtcctgctg agttntgngga gctnctgcan naaggctnan tgnaanatnt 60

ntgctgnant attnnnatc nacantgacc atctccaggt ttctacattt gaatccaact 120
 tcacaagaat ncacttgacc cactatactg gaggaaactt ccctgcattt ctggcctggg 180
 atgctgtggg tcacaagccc cttccatgg gttctcttga gtatctaact gcagtcctc 240
 acactgnaac ttcttccacg ctgctgtttt gtagtctctc ttttaacctt acacatcaag 300
 aagtcccttct gaggatccctt gcaatgtang atgaagcaat ccactaccca ctcctgcact 360
 gctctgctca gaaccagcac cttccctcac ccccaactccc atccatgcca agaatgctgc 420
 acttcttccc cgtgagccag ggtcagcccg aggagagggg cacaagcaca gggcctc 477

<210> 399
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 399
 atgaaaatctc agtacagacg cactttttt ttaataacac tancaaggna gtttagtgtat 60
 tttgcnnaga aaatgcnnana tgnttggaaat atcttcaaca ttctcanatg tgggctctaa 120
 atccaaacaat aattatcctt ataagagaca gaagaggcac nnatacnnaaa gagaaggcca 180
 cgtgaaggga gtgtggccct gctgacatct tgatttcgga ctttanccct tnggaactta 240
 nataaacctc tgtaagctac c 261

<210> 400
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 400
 atgaggaaac taaggcttag aaagatgctt tgcccaacat cagctcatca gtactgttaa 60
 cttgatgttc tactcttggaa agcttcatc tggtagcacc atgaaactga agaataaata 120
 caagtttagt catttattt 139

<210> 401
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 401
 actcattttgt tcttagattca gatcattcaa caaaacatgg catgattcc acagtctctg 60
 acattctgtat tgcattgtttt gagaaaattt tcagtcgtttt aatctcttta aatgcagca 120
 cagatgtgg ctgaatagga acagctccgg tctgcagctc ccagcggat caacgcggaa 180
 ggcgggttat ttctgcattt ccaactgaga acaacgaaga aaaaatttctt tttaaagaaa 240
 ggccaaagaa ttattataga tcttttctt cgacattctt aaacaagaac aggccttagat 300
 ggtgtcattt tcaattcttgc tcctaaactgg tcagtgacca aaacctctaa aaattcaca 360
 agaagctcat gaggagggtcc gaggctgcca aaaggcattt ggtctctggc ccaag 415

<210> 402
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 402
 ttctcccaga aagcctacat gaatgagccca ctttatcaact tctcttaacc atggaagttaa 60
 agtctaagat atgaggaaat aacacttctg gaatgaagcc atgcaatccc tggaaaggaa 120
 cttagcatca actcggggcag tgaccctactg tgaccctgtt ggttggccat accaacaccc 180
 gccggggcaaa accccatgcc tgaggacttc tctgggcttt gctactacca aaccttaat 240
 gccgggtcta agatgaatga aaatggttt ctatgaagac cagtatataa ggacagagca 300
 agattcctca tcttcaaata tttattttt cttcttctg gtattagcaa atttggctt 360

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<210> 403
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 403
gacctgcctc ttctggacat ttctgtataaaa tgaaatcgta taatatgtgg cctttcgagc 60
tgggttcct tcactcaacg tcatgtttcc aagatccatc cccattgaag ctgggtgtcg 120
gcctcactg cttctgcgg gtgggctgga cctgggtact tgcttctacc tgatagaata 180
cagcaagagt gatgagatgt cacttccgag attaggttg acggatggg acttccagct 240
tggtagtctt ctctcggct cttctgttt gctgctctg gtgaagccag ccaccatgtg 300
ggtcctggc atagagttc taaaaccact ggaatttcct aagtaaaaagg ggtgagagaa 360
gtgtcttttgg ttactcataa taagccccct tcaaccatac ttgagtttat tctaannaggc 420
ctagttgacc tct 433

<210> 404
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 404
atcctgactg caagcttagt caactgtatt cctggcncc acgtaacaat ggcttgcaca 60
taatatgctc aaatgcattt caaaatgaat gaaagatctg cagcacacaa ggctatgcct 120
atgtactgga ccagaggcag aatatataatg tagcagttc caagagccta tcaaggacgt 180
cagggactcg ctgacacttc ttcccaacc acagnctgg gaaccatgg tatccatcaa 240
gaaggggaaa ggttagcactt aaaaccccaa cattaaattc ttaanagcac tggaaagtgg 300
gacagatncc ncccacccctt tttcaaaagg aacggaaggg cctaccatca gccaaaacaa 360
ngtaagggttttttgg aaaat 385

<210> 405
<211> 416
<212> DNA
<213> Homo sapiens

<400> 405
atctccagca ggtagaaaagg atttgtttct tgaccatgca aagtctgagt cagactgcc 60
ggctccctag gctgtgccttcc tccatacgtt gactcagcaa ttctgtctca 120
acacaaggcttcc tccagaatctt ccaccgtggc acagaattag agctggggag tcctgcaagg 180
gctcttcatttgcctcaggcctt ggaagtgtt ctcctcactc acactcagag cacattggcc 240
agaatgagtc ccaggcccttc atctaactgc aagggggctg ggaaaacgcg ttttcttggg 300
taactggaa ggaaaggcga gtacacatgg atgagcgcta gaagtctcta ccatagcagc 360
tgacaaaaca acggtggagg agcattccatgcagaaggaa cgaaaaaggtaa 416

<210> 406
<211> 256
<212> DNA
<213> Homo sapiens

<400> 406
ctagaatctt tacttatgtt actgaaaattt caatgaaaatg aatttagagcc aatggacagt 60
gaagatcattt gttctcagag aagttctca ttttatggat ccgtgactcc ttaatacattt 120
ttctactttt tgaagaaaattt gaactgaattt tattctattt atataacagg aaagatgcc 180
aactgtggat ctgcttatttccaaatgtactg aattttgtca ggctattttttaa caacaaataa 240

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agtatttgtt attatg

256

<210> 407

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(558)

<223> n = A,T,C or G

<400> 407

gtttcttggc ttttgcggcc caaaaactgtt ggaatataca naantntggg ttgnngngtca 60
nacattttca aanggggcat nttaaaaaat tcncgngngg acccccancn cnccncagtn 120
tntccccccc ccaaaggggc aanccacng tacccaanac cnttggcact tttgggtctt 180
tgggaagtcc ccgggttacc ttcttggcaa gttttattcc tttggggatt ttncccagga 240
anaacttacc cncggaaattc tnaaaaaccg gtgccnctt aattgggttc caccancatt 300
ttttcattta agtagccccca aaacaacccc agaattaaat gggaccaaaa tcttatggtg 360
ggggcattat accccncacc atnggatgaa ttacttcan ccntttaaag aaggaaatg 420
gagggggccct tgctacattt ctttcaaca tngatnggg attaaaccnt tggaaaacct 480
tggatgctt agtnaaaaag aaggcgagt ccccaaaaaga cttcatttg gatgaaagca 540
tnccagaac aaggccca 558

<210> 408

<211> 419

<212> DNA

<213> Homo sapiens

<400> 408

ctctactaga gaccataata atgcagtgaa tttaattatt tcatacgat gaaataacta 60
tcttcaggga tatagaaaat gtaccctcct catcctgaca aaattttgca gatctctgga 120
gggtatataca agaagaaatt tcagagaaac cctaaacaaa ctccacagct ctttgcaatg 180
ccaggaagaa ttttaccat tatataaatg ttaggtttaa ttaatcatt cacataatgc 240
ctactgatgc attcttgc atagcatgtg atgtgaaatt tgtgattgc cactattgtt 300
ttaaaaaata agcattaatt acacactaaa attaagccat ttgaatctt gaggaggcaa 360
aagccaaaga aaatgtgcag ctggtcagga agtaaatcca gggtgagaa atttttgc 419

<210> 409

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(447)

<223> n = A,T,C or G

<400> 409

actttgagct tcanancact gggatgctgc aaaagccctg ctcattaaat cggaccggct 60
agacatggaa cangcctgca gaactttgga gagtatggtt tggactattc ctgcactcag 120
cgatacggga caagcacaga atgcaataat attaagttt gttcaaaaag ccaaatgctt 180
ttgcaaaata ctcttttta ttaatagga aatagagatt gcttatggaa gagtggatg 240
ggaacactgtg gaaagacatc ttaatccaa cccctggcag tctgacatan ggctgntgnc 300
aaatcccat agncacactc ccaatcaca tgcttcttag atcccctaac ccacccganc 360
ctaaggccta caaagacagc tcaatggctg ggcncggngg nttacgcctg taatcccaca 420
cttggaaag gccnaggcgg gccggat 447

<210> 410

<211> 167

<212> DNA

<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 410
agtctggac tcctgcatta agtnatanct gatacggncg gacangtagg gatcgcttat 60
tgnatgtgaa accagagatg cccgccaacc tggaatagag aggaagagag caggcagatt 120
tgnacctatc tgcttcaag ctggcatca tgatgaaact tagacac 167

<210> 411
<211> 255
<212> DNA
<213> Homo sapiens

<400> 411
ggttgcagaa aaggaagaag aatcagcaga gagcatttgt ggccagcaaa gctaaaata 60
tttcctaacc gatccttgc aaaaaagtt caccactcc tgtagtcagc agctccccta 120
ctgtgcgcag tcagtgtgcc atctcagact agcaaagatt tgtgcttgg a tcatctacac 180
ttccctgaat gctgaagaag atatgctatc catgcaatcc ttgtcgactg cttgattaaa 240
aagtggataa actgt 255

<210> 412
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

<400> 412
angtacagta caaaatgatc tacaactatt gagtggacca actgaaatca tttgtcaatc 60
ctcttgcaa atgaacttgtt gcaatgtatt aaaacatttt taaaagttca t 111

<210> 413
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 413
ganntgntnt tgcattacct canaagctag tcacaggaga acaatgattt gctctggcaa 60
ggcgaagaca gtaccaagtc attgcnnat ctnactcac attcngagtt cctgagcagc 120
tgctctggag gtggattaaa ataacccatc atttcagttt ttataaccca ttcagcattt 180
agaataaca tggatggttg aacccatgga tacagaggc caactgcaca tacnatgaat 240
gcttgaagtg cactgatctt cagtgaacag ctcactgact ctttacaggt ctc当地actcg 300
tgagctcaag cgatccgcca cctcagactc caaagtgttg aaattatagg catgagccac 360
catgcctggt cagcattggg gagttcaag aactattcca gcaaaggagg ggaacttcac 420
caccgctgca tgtctacattt ggaaagtcan gcagcattgc ttctgctggg ttctcttgn 480
tacaaatattt gaaaatttgc tacctgcacc tgctgtgttc ccaccctctg gagacctggg 540
aacctggctg cacctggaa g 561

<210> 414
<211> 569
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 414
atgaggaact gaggcatagt agtaaaaacaa cacacctgat gtcacccagc ttcgcggaca 60
gtgggagagc cagcgccccc cagctccagt caggtctcac tccctgcaac acgagcaa 120
ggacatggcc atgggggcga ggactgggg gcctgccgag gagctggagc catgggtcc 180
ccagaagtag aggcctagag gcagcaccgg taccactgc acctcaggc tgctcggta 240
ccgctctcag ggcagccctg ggctgttctc aagatcaact tcaccctcag gagactaagt 300
tatgcccagc tgaggatgtt cacaaggaca cactgcaggc cctagaggca ataccctgg 360
agaggctcca ggcacacgga ggacgtggcg gccggtgagc aatccaaggc cctgggcca 420
aggtggactg gggtttgcctt ttccacctgg gacattccaa gttcacgtt tctcangtct 480
cattnaaca 540
ggaaaaaaaata gtacacacaa gcactcacgt ccacaaacaa cttctttct 569
tcctnaaaaaa nggaaaacca cctgggcca

<210> 415
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 415
cctatctgtg nngtgtgnntn natgcactgg gccaancac ttnttcggat gctgntacaa 60
caataatgaa gttaccatat tgctccagac aagagatgct catggcctca tggcctgaat 120
taagcagttg caactgaaat antaaaaagt ggcatggtt gagatacatt ttaaagatcg 180
aatctacaga atataacana ggatttaggtg ctgtangaaa tgagaaaaga ctgatggcca 240
gttttggatt cagcagtggc tataatcatt gtgtacttc ttggggaaag attggtagag 300
atatggata ggagggaaaa tcaaagaagt tnccatttt aacccgtta aagtttgaga 360
caccaataag atatacaagt tccaaaggc aattaccagt ttggatatg tgaattcaaa 420
aaagtatgag ctg 433

<210> 416
<211> 265
<212> DNA
<213> Homo sapiens

<400> 416
atttttgttc agattgaacc caagaggact cgtgactcat ggctcaactg gtcctatggc 60
tccacccaaac agcaagttct gcacacccct atgattgctt ccccaacgaa tcagcagcag 120
ttattcccta gccccctgcc catcaaattt tccagaaaaa ccctaagccc caagccttca 180
gggagactga ttgagtagt aactccatct cccgcatggc atagctggac ttggattaat 240
taaactcttt ctttattgtc gtgcc 265

<210> 417
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 417
gtaangctga tctgnngatg nttgtggcng ntgttnnacc ctantgcacn ctgatttg 60
cctcctcctt gtccccacgt caagagagag cagcgggacg agtggaccct tnggaatcct 120
acctggggct tccctccag gtgaaaggaa agtaggagcc aagatgcana cttccctgacc 180

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gcaggcgctg ggccagccac aatgccatct tgcccctacc ctggttatg attgttttc 240
 accttgggc cttggccag agaattccct ctgcctccaa tgtacgccat cccctcctt 300
 ccttctgcc tggcacactc ctgcctatgt gcatggcca ggtctggcct gtcgcatta 360
 ctatgtggcc atgagctaag aatggttta tggctggaaa aaacatcaa 420
 ggaagaattc tattttggc atgtgaaaat tatctgaaat tcaaataatca agtatccaca 480
 aataaaaatta aattgaaaca t 501

<210> 418
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 418
 tctccatgtg gtctgacatc tccagcaaga tttggcacac tgtggatgga gcaaacctgc 60
 ctctggaaatc aaatcattat gccgaggcat ccaggctgag ggtAACCCAG gatgaaatgt 120
 ttcccaagat cactgggacc ttccctacca catgaggtca tcaactgaga ctggctttct 180
 ccagaccaga cttggagggtt gatgctatct tcacaagtgt gcaaaagtca ataagagtt 240
 tgtgttaactt tgctcaggat actttgaaaa attgtttaat ttttatttc tggtatgca 300
 tatttcaac tattaaaacc atgc 324

<210> 419
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 419
 agtctggag ctcctgctna gactnctgca ttaagtcnaa ctgangttga gaaggattgc 60
 agcaatgcaa tgggcacacc agcaggctct tgaaggcact gccatactgc acagcttcca 120
 caggcctgga gcctgaatcc tctgagacac atcgtccctg aaattgaaag attggcactt 180
 cacccacacc tgagacggga aacatcatct cttccttagga ggacctgtgt gaccccgct 240
 gcatgaaagg tttgtcaact cggctctgcag tggcaggccc acactcggca ttccccggag 300
 tcctccagtg cctcggtgca ctttctttc ttgttggag gcaatgaggc tctaaaatca 360
 aagacaccaa aacgaaggnt aggattctc cttgnngtcca tgntatgtta aataaaaatt 420
 aatcttccaa gcc 433

<210> 420
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 420
 tngctgnncgn tgccanngan gctctatgga atgnngccct gcnngtgtca ncccnagtt 60
 ccaacctccca aagcacggnt ggagagcagn gngcaatct cggctcaatg caacctccgt 120
 ctctccctgg ttcaagtgtat tctcctgcct caggctnccg agaagctggg ntaacagcgc 180
 cccncttta cagatgatac cattgaggtt natcantaa atnnccctggc naaggccaca 240
 ctgtggaact gggattccaa tcaggtctaa ctcaatgca atactccttc cattataactt 300
 tcttaaccct gccatactaa catagcacat agctgcgac agttaaaaaa aaaaaatccct 360
 ggcggccctta aaataagtga ttcattttt ttttaattaa taaactgcta ctgccaaata 420
 gaaaagtaaa gtcgttcat taaaaatgg 449

<210> 421
 <211> 308
 <212> DNA

<213> Homo sapiens

<400> 421

atattgaact gaaaccacca ttgagtcaat tcctgtggag cctctgcctg aaaatgagat 60
aaaagtcaag atgttggaaa ccaaattta aaggcccttg tcgaagtcat cggcagtgaa 120
gaatgagatg taaaatcg atgtgatatg catggggaca ggagccattc aaaggccgt 180
ttcatcactg aacagctaga cctccgtct ggtggccaa cctcaggagc tgatggatac 240
aggttggAAC caagcccagg ggtcctccgg aagaatctaa aacaggcaaa ataaaatgtc 300
ttccaaac 308

<210> 422

<211> 327

<212> DNA

<213> Homo sapiens

<400> 422

tcttccttat aggataatgg gagtttaaag atgatcagaa gacagttggg agcagagtga 60
gaataagaac cctcaactgc tgtctcacct ttcaagatcac gaagaaagtt ttttacaatg 120
agcagaacac tcaacctgaa agcagaatgg attgagtcac tgcagccgtg gcagtggaaat 180
ggtgtttgat gttggcaaag gaaacatgta ctcttagact ggacagttt cccttagtt 240
acagtttcca aatagagaca tcactttgaa ataacatgga gaacatacat ggatgtactg 300
aacgaagaat aaagtctgtg ttgcaag 327

<210> 423

<211> 284

<212> DNA

<213> Homo sapiens

<400> 423

cagaggaaga ggagcgactg aagaagaaag agggtggagg tgaagatgtg gagctcatat 60
tgaatctttg gaaaagtgaa aatggcttt agtatccagt aagaagagta aatagaagaa 120
tttagccac aaatggaaa gaaaacgtct ctccctcagc tcaaagagac aagctcttgt 180
cagttcctgt aaaatttat gctggtgggc ctggaagcac atttctcaga caccctagca 240
aataggaatg accaagtaat attatttgc caataaaaaat atgc 284

<210> 424

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(464)

<223> n = A,T,C or G

<400> 424

gtatattacg ttcttatatg aatgacagac nanacatgga atttgaagga aaggaagatg 60
accgttaagg tggtaggcc tttganccca agctaagcca tcataatcccc tgtgatcttg 120
cacctacaca tncagaatgg cctgaagtaa ggtgaagatc cacanaagaa gtgaaaatag 180
ccttanctga tggcattcca ccattgtat ttgcttctgc ctcaccctaa ctgatcaatg 240
tactttgaaa tctccgcac ccttaagaag gttctttgtn attctcccca cccttgagaa 300
tgtactttgt gagatccacc ctctgcccgc aaaacattgc tcttaactcc accgcctatc 360
ccaaaaacta taagagctaa tgataatccc caccctttgc tgactccttt ttcggactca 420
gcccacctgc acccgggtga aataaacagc cttgctggtc acac 464

<210> 425

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 425
ggctctttct cacttggatg ggtcccanaa aggcaactng catgttacca aatgnccctng 60
naaaaaganc nnntaaggag ganccggagga aggcntttaa ttgacagcct tcgaggaact 120
gaatcctgtt ggtgaccatg tgagggagct tggactccgg tccccctgtg ttgagccttc 180
agatgaatttgc agtccggatc gcttgggtgc atgactgtaa cgtcctgaaa caccttcagc 240
ccagaaaagca ttcatcgatc ccacacctgt atttctgacc caaagaaaatt gtgagataat 300
aaacatttct tctctcg 317

<210> 426
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 426
agaaaagagaaa aataactccaa atcagaagnt aatggccncc nngcttcnn nnngcnnnn 60
cnntnnnntttnn tngaaccacc ntcttaant tntgggagga taaagcatca gttaaaagc 120
tcacctggat ttgcgtgcct gagcagaaaag acagaagagg cctgggaccc aactagcatc 180
atactactgc ttcatcagcc tagatgactg cctaccttcc tatcttctt acaagacaaa 240
ataaaactccg tatttgttt 259

<210> 427
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 427
ggaattgaac agcttggact tggagaccgg tgnnggttaa accnnaatta gnagggcgggn 60
ngaaaaggac tnccanatng aattgtgttgc gntattcata tccccagca ctc当地atg 120
tggccatggaa ggatggagac agagattgga gtatgcata ttcaagccta ggaacactaa 180
ggatttgcgtt taatcaccag aagctggaaangcaagaaa gtgtccttc tagagccttc 240
agagagagcg cagccctgcc aacaccttga ttatatgctt caagcttcta gaattgttag 300
agaataaatt tctgtgtta taagccnaaa aaaaaaaaaagg cngncggggg ccnttnagn 360
gggactnanc caggcngaac ttnttcaaaa gggggggggg ccc 403

<210> 428
<211> 376
<212> DNA
<213> Homo sapiens

<400> 428
gggttcagaaa aatgttaccc caaagtactt tgaactgaag gtgattggga gggcctaaga 60
acaagaagg tcactctgag ttccctctgc cttaatgt gagacctgcc aaaagggaaat 120
tctctgtcc acctcaactg aaagttagtt gtaagaactt catctcaaag gggtaactgca 180
ttatactctg aggccaaagaa aagtcaacgc agggccttc ctgggtccct ctcccccaat 240
ttgttaccat accctttgt cccatcatac ttctacatga ttttactgaa tctaagcaca 300
aaaatactca gttgtcccct ggggtttggg cctcatttct aatgggttgc gttccccata 360
aaacttttgtt taatgc 376

<210> 429
<211> 394
<212> DNA

<213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G
 <400> 429
 gcttcgcatg tnttanaggt cctacacnca nattcaccta ctncanggga ttcaagtccg 60
 tcttatgttc tgntaatgac aactcttntt gaagttcttc angccgtgt gaaaangaaa 120
 agccngccgg gcacagtggc tcacgcctgt aatcccagca ctttggagg ctgaggcggc 180
 gatatcacctg atgtcangag tgcgagacca gcctggccaa tgtgtctgta ctaaaaatac 240
 aaaaatcagc cgggcgttgt ggcgcattgcc tgnaatcccc gctactcactcancctgangc 300
 aggaggatng nttgaacctg ggaggcggan cttgcattga gcntgggtca cactactgca 360
 ccccagcctg agagaaaagag caagacttcc gtct 394
 <210> 430
 <211> 343
 <212> DNA
 <213> Homo sapiens
 <400> 430
 atggAACCCC cggcatctgc tccttagtaga ggccagtctg ggcctgacct ggcattccac 60
 cctgcagata gcgagaactg ctgcagcagc cgccctagac cattctgcag ttctgatgca 120
 cagcatgatg gaagcatatt gcagaagatt attctggctt ttgtagatag tggattaaat 180
 tgggacagtgt taagaatggg aattcagata gcccatggat ggacttcaaa atatcaccct 240
 ctaaaaattgg actcaaattt catgttcaga tgcccgttt ccccactgca agaggaatcc 300
 aactttcattc agatcattgc atcaattaaa ctttcatttac tgc 343
 <210> 431
 <211> 373
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G
 <400> 431
 ctccctgctta agtcgaactg aggggnntca aatagcnata nnntccctng nnacnggcn 60
 ccacntccaa angccgggt cnngccttan tgatgnatt tccccaaaan aangngaaant 120
 ggccctgttcc tgccttactg atgacatggn cttngaaat tccttctcct ggctcatcct 180
 ggctcaaaag ctcccctact gagcacccctg tgaccccccac tctgcccggcc agagaacaac 240
 ccccccttta ctgttaatttt ctttaccta cccgaatccct ataaaaacggg cccaccccta 300
 tctcccttttgc ctgactctct tttcggactc agcccacctg cattcaggtg aaataaaacag 360
 ctttatttgct cac 373
 <210> 432
 <211> 386
 <212> DNA
 <213> Homo sapiens
 <400> 432
 gtaaaaattga cttgaagtcc actcagcgctc actgtatgtc taaaaataaa gaagcttgga 60
 aaggcctggat ggaaccctga gagacaggct agtccctcaa gcagttgcta aagagttgag 120
 cggttcttc tgaagttcaa gataacacta ccgaagaatg ttatcaccgc ctcgttctac 180
 aattcgtctca agtgaatccct gctaaatctt tgctttctc acgagtcaga cctactgcta 240
 ttatgtggaaa ctacttatga aatgaatttt atttctaaat ttctaatcat cttgcaatgc 300
 aatatttaggc attgtccctct cggccgctaa acctgatcaa actggggtcc ctaaatccaa 360
 acacgcacat acagcgtgtc ttctaa 386
 <210> 433

<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 433
gaaattattt gtaactctgg aattttagaag gtgactgcnt gacaattctg agaggccaat 60
gccatatgaga gaaaagttt ctgtactca tgatggcgcc ccttggaaagca gaagacacag 120
caccatag agggccatgt gggaaagcac tggagtagct ccaggccggg cttgccagtc 180
tctctgcact ctggaaaggag ttgcctggg ttggggttgc cttgtanat tccaaacctt 240
cattttgtca atttacttaa aggtgac 267

<210> 434
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(243)
<223> n = A,T,C or G

<400> 434
ataaggcct cgctctgtta cccaggctgg agtgctgtgg tttgtttgtg actcaccgta 60
gccttnact cctgggctca agcaatcctc ccacctaagc ctctggagta gctgggacta 120
caggtgagca ccgccaagcc tgacctaag ttgaaatgtg atcaccaatg ttggagtggg 180
gcttaatggg tggtnnttan gctnnngnatg aaaccattgn cacnaancca atggggatgg 240
tct 243

<210> 435
<211> 307
<212> DNA
<213> Homo sapiens

<400> 435
agctctagtg ccaaattgtat aatctttctt attaactgac ccagtcttca aaaaagaatt 60
gctagcctga gaaatgtgga atgcctggct tctctgacta gtgttgcacac agttgtttcc 120
agcgtgaaca tacctgtaca agtgaagcca tcacctgtgt atccttcctt gcacagacag 180
cggtaagaa aaaaacctgc aacttggatc caatataaac gatgacaaat ttcaaaaag 240
tggaaagctaa attaatgaaa aatgttatgc aaaatgtttt ataatatagt taaaatgtat 300
gagttt 307

<210> 436
<211> 332
<212> DNA
<213> Homo sapiens

<400> 436
gtgacggagt gagagaaaaag tcagaacctt ctgctcaccc aggataaaatc atagttactaa 60
tgattgcagt ggagcaact tatctgaata ccagacagca agaaagttcc tttctggga 120
gaagagttac caccaacca gacaacaaca ctcagaagac tgatTTTGA acgattttcc 180
aacactcagc tctcaattcc tctttctaa aagtcaacaa aatcctggag catatcgcca 240
gttttcctta caattgtatgt acatgtttgc tactaatttc tatggactcc cttaaatgtat 300
ataaaatgtc taccaaattct taaaaaaaaag cc 332

<210> 437
<211> 392
<212> DNA
<213> Homo sapiens

<400> 437
gtggcagttt ctggagtacc agggcaccaa gtggaggatg tgtagacag cctctaagat 60
gccccttg ccaatgatct ctgcctccag ggaggagcta gaaggcagag agaaagccac 120
tcaggacttc ccatcccaga agataaaggt gaggaaagca gcagcagcag ccacaggcca 180
gtattccaga gcagcttgg gttcctgtca agacctgctt tgagaaggag gtggctgtgg 240
ggctggaggg ctggcctgt tcctgagctg gctgctggca ccacagcaat gaggcaacat 300
tgagaactgc gacacgagc ccagtccgc tactaaacca actgtgtgga cttgcatagt 360
cacttcaccc ctcggcctc catttctcca ct 392

<210> 438
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 438
ngangggntc ttgcttatgtt gttnatgcng gtnncacnct cctggnctga nntgannctc 60
ccaccnaatg ctacanaagn gctggngtta cttacctaaa cctacaatgn gaagagaatn 120
tgacactatg atnccanctg gaaaaccacc ancacccaac atgcngctn ccaatctctc 180
gaatcgtaac tggcctccg aacaccactt agttccctca aatatgtcct tctaacaagc 240
aggcgtgctt tcgtgtatTTT agaacaatc ttaaatgtac acatgcatcc aaatctaaa 300
attcagaata aagaaaagca gagaaggaca gaagaaaagac taatgctacc g 351

<210> 439
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 439
ctatgcattt aangagtcaa gaggatgctg ntggcagaga actcatcgcc agcagcccc 60
anaggataat gtacaaggca cgtnntgtnc aggagatctg ccngcctggc caagagcacc 120
ccaaaaagca cttggaatga gccagctac nccaaaggtn ggagatntgc caatatcatg 180
gagggagaaa tacacatcta gnntatgacc cagcatncca naggcctgca ggctaaccgg 240
cctncctgga agaaaaacaga aagtagaggg cctgtcaactg ctggagatac ccacgatgga 300
gacaatgctt cagcagttag cccaggtgtc gccatgcaat ggcattgagag ctctgcctt 360
gtccatcgac atggaagtga aataaaaaga aaacctt 396

<210> 440
<211> 350
<212> DNA
<213> Homo sapiens

<400> 440
gaaccaagag aagcttctca agggtcagat tattccagct acctcttggc tgcccccgag 60
gcctctctac aaactgagtg ctgactgtga ccctccatga tggggaaagaa aggatcatac 120
ccttcacc cttacactt ctaggcaaaa tacacagtaa tcatcaagga atttgggttag 180
gccctcatct gactggttcc ctatTCCTG gatccatat ctgattctt ctctgtttat 240
tccctattt tggaagacca catccttct aaaacagtgt gcatcaag ggaagtgttt 300
tctacattct gcatcctaaa aataaaatgtc tctattctac catgtgactg 350

<210> 441
<211> 374
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 441
cntgcanagg gggcttncnt tattccttct tcccgaaaga aggagggaaag aagggnancn 60
cccacgaaag naaaacgcct tggnngccna ncccccaatt tncttacttt catggggang 120
ggaaaaatgc ccaanggatg cttnaaaaa tcaccaccgg nctttaaacc attgccccaa 180
aacccggtaa gtttgnggt gttgggcttg ggtccacttg tccctctggn caacctaaca 240
agggagggna agaaaccaag ggcttaccna aanggatgtt tcttcctga ggggaaacca 300
ctcctataga ctcctctnga antccaggaa ggaagtgggn aaaaccatc ttcnnttaat 360
cacattttg ggat 374

<210> 442
<211> 153
<212> DNA
<213> Homo sapiens

<400> 442
gtgaggcagc catattgtga ccatgagggg aagaccatga gaactgaagg gaaatggact 60
cagaacccag atattgtaa gctcctggag aaaccctgga aacatctact tctcaacgtt 120
ttcgcttgc agctaatacgaa acaccctatg gtt 153

<210> 443
<211> 77
<212> DNA
<213> Homo sapiens

<400> 443
aaattccaaa gaacatggaa aggagaccac aggaagaatc cagaactgct gcccatcata 60
aaattttcc atctgcg 77

<210> 444
<211> 430
<212> DNA
<213> Homo sapiens

<400> 444
tttcttggca cgctggctga agacatgttgc cccacaagct gagggaggc cttaccgtg 60
gacgccaagc tccgggaggc tgcaagtggcg gcagctgagt ctgcagggtgg agaggtgcag 120
ggactgtttt gcctccaccc cttcaatac ctactttct ttccagcaac agtcccttcc 180
cttacgctcc cgaatccacc ctggccctgaa ggctgcaccc gatgaccaca tccctgacc 240
acttgtttgc aagacgtctg catgtccaca agtgcagcgt tcatactcata tcaacaagcg 300
atccctccgg agcagacggg tgatccctac caccttctgaa acactctac tcatcatctc 360
ggtAACACCC tctacctgtt ccataccttag gccagagggtt ttcacccgg ccacacgtca 420
gtaccactta 430

<210> 445
<211> 337
<212> DNA
<213> Homo sapiens

<400> 445
aagaggaatc aattctggac cagaggatgt ctccctgcct ttgccctgccc tgccctcccc 60
cacatccttc tctggcaagg ggaatgaggc tgagaatgac ctccatcctc aggacgagg 120
attaaatattt cagcccatgc cagagtggagg attcctttt caccttctgt ctgaattgtg 180
ccttgaatct gtttcgcgtt gggtgcgaac tgggtgagac acttgtctta gaaccgcagc 240
cctggcaact ccacgccc tgacctcgag ccgtttcca tagcctgaat cttccctctc 300
atttgcaaac aactttctta gtaaatgatg acaaagc 337

<210> 446
<211> 266

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 446
gttccttcttggtnnnn agcacccngct taagtcagac tgaccgaaat gttcctcaca 60
anaggcctac aatgagctat tgcagtacc agatggact catgaatgca gcaggtgggg 120
cagatggcaa ggcccctgt ctgatgctgn ctgcctggc atggactgcc tttccttcc 180
agacctttc ctggatatgg ccaagtcgt tacatgttat tctgaaccta 240
ataaagaaaaa catatatcca accttt 266

<210> 447
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 447
gggcatttcg ataaagccat catatccccgt gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgtatc catttcacca caaaaagaagt gaaaatggcc tttcctgccc 120
ttaactgtatc acatgggtctt gtgaaattcc ttctcctggc ttcctggct caaaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttccctt tacctaccctg aatcctataaa aacggccccc cccctatctc ctttgctga 300
ctctcttttc ggactcagcc cacctgcattc caggtgaaat aaacagcttt attgctcaca 360
aaaaaaaaaaa aaggncnnng nggccaattn agnttggact taaccaggcn gaacttgntc 420
aaaaggggggg gggactaccc ccc 443

<210> 448
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 448
aaagaacatt acatggcatt tcctactgaa gatgggactt agcacaaaaa ccgtcatggg 60
ttccacccaaa gagatcatta atgtctcaaa acgtctccaa ggatacatga tctacaaagg 120
accacagagt gcccctgcaga attgggttga aaaactaaag aaggcaaaaca gagtttatgg 180
taaggcggca gtctctggtc cccgttgcata gattgggttc ttccctgcctg ttccctggagt 240
ggcatggaga aaagagcatg gatttgcaga agagacactt gagagagagc tgactgtgat 300
ggtgatgctc acagggaccc ttgaagacat gagttaaaga tcgttagaagc atgacaagtt 360
ggatacctga atgactgtgt ggtatctgagt ttccctgcctg cctgcagtgatc atgatcacat 420
tgtttatgag actgactatg tctgagccan aattgattgc atctatgttgc tgctgcaact 480
taacctgtgc ttaacactat ctctggggaa aaaa 514

<210> 449
<211> 239
<212> DNA
<213> Homo sapiens

<400> 449
gacatcttca ctgcttccat cccgagaact tcagaatcca atgatccaga ccagccag 60

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gcaatcaaca gtgagccaaa taaaaaagca gcctacattc tacctgataa tctacacaca 120
 ggctgggatc tgctgggttc tactaggtga attgaattgc tccatgccag tggaaaattt 180
 tttcacatca gttttccta gtagatgtt aaaaaattac aaagaatttt ccaatcgac 239

<210> 450
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 450
 acttctatca aaagacataa aggcaagaacc gtggatcag caccacacac agctgcttc 60
 ttcaacatc tgaattatga ctccctgttc ctggatgat gctggggaca gccaaaaagt 120
 tttagagcca gattccttat ccaatggca aggaagggtt ggctgttga aacatcctga 180
 aatacatcaa cccaaataac gaccaacaaa aatgtggctt cccaaaaataa ctccgccagg 240
 cgggtctgtg tgccggctgg gaggaaagag aggtgggaca gaaccgctt ggacccccc 300
 ccatcccagg agtggccatc ataccagcgt cagtgtatccc agcctcatac cttgccttg 360
 agactctgcg ttctgttgct tttgtatgtt cacttgcatac ataaaaatgt actcctcatac 420
 agagcctgcg gaaggaagga gacacaggct ttgtgtgact tcctgaagag aaaggccctc 480
 cactaaaaac cctgttactc caa 503

<210> 451
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 451
 cactttaaag atgttgtcat cccaaaaagcc ggcattgggg tgcattgcctg tcattactac 60
 tactcgggaa actgaggcac aatcgcttga gccctggagt tccaagccgt agtgggcaat 120
 gattgtgcct aagaatagcc actgtgcctc agctggaaa acatagcaag aaaaaaaaaag 180
 aaagagaaaag aaagaaaaaaa aagaaaagaaa gaaag 215

<210> 452
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 452
 gaaccccaga ttcttctcca tggtcggaat cattgcaaaa taactggttt ccctaggatc 60
 accagctgtc atggactgat ttgtgtctt ccaattcat atgttgaata cttAACCTGC 120
 cttgtccatt gntaatggga gataattctt ttagggaaagc aatgaaggaa aatgaggcn 180
 ttngtggag cttatccaa tggactggg gtcctncca gaagaggaag acaccagagc 240
 tctctgtctc cacacacaga gaaaagaggc tgtatgagga cacaagagaa ggtatagct 300
 gtttacaaac caagaagaga agcctctcca gaaaatgaac cttgtggaa cttggcttt 360
 gactttccag cttccanaac tggagaaaaaaa taaagttcaa aataaaatgtc ttttgtgt 418

<210> 453
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 453
 gactttgtgc tcctgtgatc cactaagata tcatgtgctg agtaactgct ggttcaaaga 60
 aaaaatggat tcatgtggag cagacttggaa cccagactca actttacagc caactacagc 120
 caacccgcag cttggAACGG aggcaggcaaa gctagtcgtt ggaccataa gtgataaaaaa 180
 caaatgcttt cattat 196

<210> 454
 <211> 137

<212> DNA
 <213> Homo sapiens

 <400> 454
 gttatgtaaa gaggtgcctg ctttccttc accttccacc atgatcatca gtttccttag 60
 gcctccccag aagccactat gtttcctgca cagcctgtgg aactgtgagc cagttaaacc 120
 tttttctttt attaatt 137

 <210> 455
 <211> 430
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

 <400> 455
 ctcagccgaa tcgtcacttc ctctgggac cctgtcctga ccccccattgac cgtggctgcc 60
 tgtggaaagg gctggtaaac atcctgttct ttcccccctt ggcgcttcc gtgcctgtgg 120
 ctcttccccca gtctggagta cagtagggtg ttcttggctc actgaaacct ctacctcctg 180
 gtttaagca attctcctgc ctcagccaca tggagtattt ctctgtggcc caggctggag 240
 tacaatggcg cgatcttggg tcacagtaac ttccgcctcc tgggttcaag tgattctcct 300
 gcctcagctt cccaattctg gaggctggaa gtccacgata aaggnccaa gcatggtcag 360
 tttttgncc tngttcata aggccgcccc aattttgcca tcttcacaaa naanaagggg 420
 tactcacgtg 430

 <210> 456
 <211> 211
 <212> DNA
 <213> Homo sapiens

 <400> 456
 ttgagccctt aaccctgtga cactataaat aaactgctcc tggagctgctg gaaattgccc 60
 attatctcca agagcatgtt ctgataagag tccatcaaca tgaaggccaaa actcattcag 120
 agcatcaaga gagaaaaagtt tctagtgtat gtttggcat ggtctcttcc aggtatgtt 180
 catggcagag gaaggaataa aactgtgaaa g 211

 <210> 457
 <211> 424
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

 <400> 457
 agtcttcc acagtgtga gcatgagtgg agcttgctaa atcattgcta aatgaagcaa 60
 tgggctgtaa gcatgtcctg tgggatctgc atcttcagat catcctgaaag tactcaacaa 120
 ccacatcttc ttccaggaac agagcccaac ataaactgtt agggtttgct gtcttagaca 180
 gctaagagaa cgaggagtgg agcttagtgg caagcgtga agggggcagt tccttaatgc 240
 caccgcact gaatttcaac agtctgacaa gctagcgat tgggtaaata tcccagtata 300
 cttgtcacag agttaagttt aatggactt cttcaaaaggaa agtgctttt atacaataac 360
 tgnntttggg tttttancc atgggattaa aaatttacac atttactaaa tctggcataat 420
 ttat 424

 <210> 458
 <211> 190
 <212> DNA
 <213> Homo sapiens

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<400> 458
gcaactaaga caatcatggg gatcacactg tggcttcc agaaatccag aaagcctcag 60
ccaagctgg actggcaaag acaatgataa ttctcgtagg aaaggtaatc ttgggtgtgg 120
gaagagggtt tgcatggat cagaagaatg ggcaaagggtt cctctgcaag atattggaaa 180
gaagacgaag                                         190

<210> 459
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 459
tgccctgagaa taaccnnaac gtgctggagt acatcatgtt ctggtttagat nacggggac 60
taaccagaac agactgactc tgtccgaatc acccctggag acaggaaatt cttcaacact 120
tttagcccggn angtcatgct ctccagggtt taaaacccaa ggccagctc gggacttga 180
agacaaggac tccatccacc caggcaacctt tcccagcct catgggagca actcctcatg 240
aatcccaggc ttctgttgct tttgctgcct atctataaga aataaaatcca cttcatttaa 300
cctgcaaaaaa aaaaaaggcc cgnngggca attcagcttg gacttaacca ggcttgaact 360
ttggttaaaaa                                         370

<210> 460
<211> 161
<212> DNA
<213> Homo sapiens

<400> 460
cccacattgt gaggaagatt ttacaacctt ccctttacag atgagaaggc taagcaagag 60
agtttacata atgctcctga agttccacgg ctgttacttc acactctatt gcttcttaaa 120
ccaggatgca ttttataata aataagtata tttgggtgtga t                                         161

<210> 461
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 461
gggcattcag ataagccatc atatccccgt tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtctt tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgcccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagctt attgctcaaa 360
aaaaaaaaagg ccaggggagg ccaattcnag ctnggactt aaccaggctg aacttgctca 420
aaagg                                         425

<210> 462
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)

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<223> n = A,T,C or G

<400> 462
tcagactgag atttcccatt ntggccacgc ttcacatgcg acacatatng aagtncacag 60
cagcttcccc ccttacctgc aaggatatg ttacacagatc tccagtggat gcctgaaact 120
atggatagta ctgaatccta tatatactgn tttttctat acatataata aaaggttata 180
aattacgcnc agtaagaaga taaaaaactc aaaatatgag ttaaacncat atgcnatata 240
atatatgcaa taaaattgaa atactggc 268

<210> 463
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 463
acctccagtg gcagacagat ggatagagct atataatcat cagtggaaat gtgtgatatt 60
ctgtcttcac aaaccatcggt gcaaaggcaga accaacggcc ttttgcgtc ttttagaaat 120
gtctgcaaga atccctccca cctgtcaagt tatgggatg aatatgtata aaatgcata 180
tgtatgtgtat cctgttagaaa acactggatt gggatgtgca gagaaataa agcaaacagt 240
ttttaaaaaa nncaaaaaaaaaa aaggccaggg gggccattc ccctttg 287

<210> 464
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(236)
<223> n = A,T,C or G

<400> 464
aataggaaaa tttggatgca gagacacaga gagaatgccat tgtgaagatg gatcagagac 60
agaagtgtat cggctgcaag ccaaggantg tgaagaatgg ccagccacca ctggaagcta 120
ggggagacgc cagcacagat tctccctgag agtatccaga agaaaccaac cttccaacac 180
ctggatttca gacttctgac cttgagaatgt gtagccat aaaacaactg cagtgg 236

<210> 465
<211> 283
<212> DNA
<213> Homo sapiens

<400> 465
cccaggacca agattgattt ttttctgcaaa gaaggattct caatcactat tataaaaac 60
cgaatggctt tggaagtttag ccttgcgtc agacttgaaa atgtttcttc ataaactcac 120
cctaacattt caaggtcaaa tagcactaca tgagaaattt atacttcgtt gaagacattt 180
tgacaaaaac taacattgtt taaatccaca gtaatgttac gctgctttt acatgtccca 240
ttctgtcaaa ggttaaaaata aagagcaaga tcttcattcc tac 283

<210> 466
<211> 256
<212> DNA
<213> Homo sapiens

<400> 466
agcaagaact cggaccttagc tgcactaagg actaaggaaa ctacaaagga agcaagagat 60
tggagtgtt caaggaagaa gccaccgagc caaggaatgc aggtggccac taggagctga 120
aaaatgcaag ggaaccgatg atcccctcag agcctctgaa ggagccaccc ctgcccatac 180

cttgacttta gcccagtcaa actggttctg aatttctgac cttagatct gtaagataat 240
 gaacttgtgt tgaaaa 256

<210> 467
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 467
 tgcactggaa caaaaacact ggtgtccgg caaaaagttta agaaacggct cttggtaga 60
 gaagcactgc ttcattgtgt ctgctgatTTT gcttaatgtt tttgggttagc tcttacacta 120
 ctgaactcct gcttggggca aagttgcca aaaaagacttc gttatataac aacaccagag 180
 gagagaaaaa gacttctaga ctttggggc tatttaaatt ctggtgaggct ctcgctctgt 240
 catccaggct ggagtgcagt ggggtgatct cagctgactg taaccttgc ctctcagggt 300
 tcaggcctct gagcccaagc taagccatca tatcccgtg acctgcacgt atncatncnc 360
 anaggccccgg accaattgaa aaattcncaa aaaaagngaa aanggccagt tcctgcctta 420
 actgatgaca ttaccttngaa atttccttc tcctggc 457

<210> 468
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 468
 tgcctaattc atactggana cggcagnccc cccaaangagt gacctatgct ngagctaagc 60
 accagccgcctt cttgtctnga ggcagnntca tacaccaccc aggancccc angatctcat 120
 gaatatgccc gcactgaaag ttgttagcaag aagacagncc nggccactaa aagagggagg 180
 ngatcgtgtt ggcuaagggtt atcggaaatc tggagatgc agataactgg agtttcctt 240
 gctcttcgtt gtcatattca aataaaaaatn aaagtttct tcagtcctt 290

<210> 469
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 469
 gggcattcaag ataagccatc atatcccctg tgacacctgac gtacacatcc agatggccgg 60
 ttccctgcctt aactgatgac atttaccaccaaaaagaagtg aaaatggcct gtccctgcct 120
 taactgatga catggcttg tgaatttctt tctcctggct catcctggct caaaagctcc 180
 cctactgagc acccctgtgac ccccaactctg cccggccagag aacaacccc ctttgactgt 240
 aattttcctt tacctaccccg aatcctataa aacggcccca cccctatctc ctttgcgt 300
 ctctcttttcc ggactcagcc cacctgcatc caggtgaaat aaacagcttt attgntcaca 360
 aaaaaaaaaaaa gggggccgggn gggggcattt aantttggga nttaaccagg tngaacttgt 420
 taaaaagggg ggggc 435

<210> 470
 <211> 191
 <212> DNA

<213> Homo sapiens

<400> 470

aaacacgcag cagtaaacctg acgtgtctgt gaagacagca gagcagcctg cgcctctgga 60
aacacaccat catctgcctc tctccaaagg acgggggaga cgcctcatgt gagatggaaa 120
ttaagcctca gaagcagtca ttttctta tattgttgg aattaaaaac atattaaatt 180
gatccattat g 191

<210> 471

<211> 307

<212> DNA

<213> Homo sapiens

<400> 471

acagaagaga tcatggtcag tgggtcaggt ccaccatgtt gagcggcagt caagtatcgc 60
ttacggatac catcacaaag aatttctaag gaaaaaaaaagg agaaaaagaca gacatacctc 120
ccggcgcacc atactacatt ctgactgtc cagaagaatg ttcaccacag ttccccagag 180
cccaccggaa atgttctgac aactgttgc taaggccaca cagcccgtt caagggttgt 240
cagtgctgat cctaattcca gtgaagtgaa tctcacctgt tcaaattaaa gagaaagtgg 300
ttgaatc 307

<210> 472

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 472

caaaanctcc gggtnagaan tgaccctggc aanatctggc aaacttgtcc atcntattga 60
ccgcggataa cttctttgct ttcatatcct gggaatctct tgctttgggt cttgcgaact 120
tccctggtttc ttgcattcct ttgcgttgc accccttggg accattaaaa aagaagaaaag 180
ggAACCCGGGG aaggttaagng gaatcttgg aaggggacca acttggcacc cccaaaacaa 240
ggggaaattc ttgaagccac ccaagcaanc cacggccagg tgggttaagc ccttaagccc 300
gggtccccatc ttaagacgct cctgggtggc cgtaangcac cggtaagct atgggttaagc 360
tccatggggg atcattgttgc ggcattccacc ctatattggc aagtttctga aaatgataac 420
catttttaga aaatggatgg gaccaaaatg ggatgccaag ggttaaaga aaanaagggtg 480
ttaataaaaa aggggcaaac ancgganggn nccttccaag ggggnttgaa aaactnggtt 540
taaanaaaacc ttncctgtg ggttaagggn gggatancnc cgaaatctt act 593

<210> 473

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(676)

<223> n = A,T,C or G

<400> 473

ttnccctgctn nagctnaaaa ctngaagaag anganctgtt ggnactngnn tnnggcataa 60
nntagnntat tcctncnccc ttggcnnttg aattccactt ggtggtaaa aagggcttnt 120
gnaagccctt tcantggng angaacaat taatttggtg gaatngccca ttcaaccnac 180
ccgaagccctt ttgcacacct tattgaacgg gtgggggggg aatttggctt ggcacccttc 240
ccccaggtgg aaagaaccca aaaaaagggg tcaccccccatttcccttaat ggtccttggt 300
ggaaccctta acaaagggtt ggaacttggt ggcttggtn cgggaaaccc ccaagggccc 360
caaagaaacc acaggcccgg gaaaaggaaac cttcccgggg gggattacca agcccattgg 420
gcttaaagggg aaaggggaca aaaggaaagg tttgtcaaa agggaaatttt cccaaacgcc 480
caggggaccc ccaccatccc ctttggta ttttggatt ttcacaagnt cangcntggc 540

tttcaaacng ggaaatnggg gcttntncc ncaccccang gggattccc tttaancacc 600
 cccaaacccg ggcctggcct tttaaatcc tttacccca gggaaanggg acttcaccat 660
 ttggggggcc ggaaat 676

<210> 474
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(421)
 <223> n = A,T,C or G

<400> 474
 cagaaaactn ancacatntg tgaannctng gggaaactta caatcatggc ncangatnaa 60
 gggaaanccaa gcaccttta ccatggntt atgaggaaag aaagaaaagcg aagggggagc 120
 tgcccacacac tttaaaacc atcatatnc atgagaactc actcactatc acaanangag 180
 cangggggaa atctgccttc atgatncaac cactcccac cangccctn tcccaacatg 240
 gggggattac aattcgacat ganatntggg tggggacaca ganccnnacc atatcacaat 300
 ccaatgtggg tgatagctgc tacagnaact gtantanact tgnnagatata taactgtcat 360
 tgtcttgcaa atggaggctc nctncaaaa attaatatgc ancaatgggt gaaccacaca 420
 g 421

<210> 475
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 475
 aacccaaactc aacgtcaggc cgtggttct gctcatcaaa gaatgactgc tgcgtgatca 60
 ctaacgtgcc accacctgca cttagtgc tcaaggtctc ccctgcccgt gacatttgg 120
 acaggcttgt caggatactg aggatgctgg acttccttc gcagtggct ttgtataaac 180
 ccaaggggaa tgggaatttg gagacaaagg aagccatctt ggagcggcca aataaagcct 240
 ttaatctt 249

<210> 476
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

<400> 476
 gctggaangc tcntggagtg tgagcagaga ggaagagtgc ccagggacta caggaattta 60
 atcaacttga gcaatcagac tgtttacat cctccagct gacagccgt tttcccccaa 120
 attctgtgtg gaatgcagcc acatcgctt ttgaaaccag ctcctgacag accccaacaa 180
 cttatacatg aacctaagtg aactatcctc agtccatgc taaattctcc accgtggag 240
 gggctacagc ttcttagca taacatgaga cccgtgtgc tggcaggatg actcactaca 300
 tctgcacaaa tggggcctgt cctctatag cgatgatcca cccttcctc tctcacccccc 360
 ataaaaccct cctgtcgctt cttggggag acaccgctt ggagaacact ttagtgctc 420
 tccttacttg tgacaagtaa taaaactctt ag 452

<210> 477
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (1)...(276)
<223> n = A,T,C or G

<400> 477
ncctncatta agnnngaact gncatngngt gtnacncatt agnatgagtn cacaattaaa 60
catgaactgg ttcctgccga aatgcaaaan aaacatgtca ntactaagct gctattttat 120
ttgacagctc atttccctt ttccctgcag tcatttggg tttataagca aacctgagcc 180
tccaaaacac ccccaaaagt gcacacaagg agtcccataa tcagttctg actttggccc 240
taaatcgatt agaatacatac tgatctgctt caaatac 276

<210> 478
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 478
ttgtatggca accctgttagg ctcctcacccg gccaagttg gctttgggga gaccaggccc 60
agcccagacg ctccaaggac cccattgca gagctgcgac cagagaccac tgctctgcaa 120
gcccacgattt ctgtccgggc agtctcaccc acggggcaga ctgaatcctt ancttgctgg 180
tttgtgtcat catccggcat caggctcagt tcaaatncca gtcctccac ttccaagttg 240
ttggcttga gcaagtcact taatgtcgct gcgttccatg ccccatctgt gaaatgaatg 300

<210> 479
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 479
caaaatttggg ggggnntttt nctntgcgcc ctgtgngtgt ttctttnaat gnnaagnttt 60
tntgtggcaa anttaccntc gnatgcaggn atncaatggc cattcagccg gggcagttcc 120
agcnttcggg ggacaggagc cccaccccan tttgtntcc caccacntcg tggcgct 180
atcagganag gacagcgcca tctgccaatc ccctgggctc tgacaccctt taaggtgtag 240
cgccacacagc ctcaggagcc gccatgacaa ctgaagatgc tacacgaagg ccaggggatg 300
ctgcccattgtc cccangcag gtgccccgca gcctgtggcc ccacgcccattt gtccagtgtg 360
ggggggaaaca ccnttgattt ttaataaaga gancagaaga ccctggctgg gtcttnacc 420
actggcactt ct 432

<210> 480
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 480
ccagcaacac agaatccaca gaaggaagac aatggagcta caaggtgggaa gaagctgcct 60
gggtctctaa atcactgtaa gataatcaac tgcttgggaa aacctattt gatTTTaaGT 120
gaacatgaaa taaactacta gcctgactca gctctcaatt gactggggat gccattcaag 180
aggagatgaa gaagtctgtc ttctgaattc tgacctgatg tctacatact taacaatctg 240

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gcaggatata atattctcggttcacaccctttcagaac ttgcagacac tgcattattt 300
cttttggcac tgaattcaac tgggagaagt ctgngccag ccaaatgtt aaccatttg 360
aaggacttcc tttttgcct aggtttcca ttttctttt angaactctc ttttttaatc 420
actaaaactt tattaaata c 441

<210> 481
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 481
ancnnctgaa gtgncaanng aggctggagt gcaatggcaa aatctcaccc caccgcaacc 60
tccacctccg gggttcaagc gattcttctg cctcagccctc ccgagtagct gtgactacag 120
agatgggtct cgccacgtt ctcaggtggc cttaactcc tggacttaaa taaatcctca 180
tatctcaact tcctgaacag ctggactac acatgtgtgc caccatgccc agttattaac 240
ataaattttaa aataacatct cctgttctac tataaaagta agtggaaataa aaggtcagaa 300
aaat 304

<210> 482
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 482
ttgaatacaa ggatgtggtc aactatactn gttcttaccg ttgaaaaaga agtgctgagg 60
ccaggcatgg tggctcacac ctgtaatccc agcaacttgg gatgccgagg cagctggatc 120
acttgtggc aagagttcaa gaccagattt ggcacatga taaaaccccg tctctactac 180
aaatacgaaa attagccatt gtggggcac acgcctgtaa tcccagctac tcaggaggct 240
gatgtgggag aactgaaccc tggaggtggg gattgcagtg agccaagatg gcgcactgt 300
gtccagcc gggcaacaaa gcaacactat gtttaataa aataaaataag tgctgagatc 360
ttagaaaatt nnnnnnnnnn nnnnnnnnnn naaccnnaaa aaanggggccc ggggggcccc 420
ttt 423

<210> 483
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 483
gactctgggg agctcctgct tnanntaaaa nnngaggtn cagnaccccn nttaaaaag 60
gggtcnngcc ntgtncntt naggaaggna tgctgcncan aggccaaaac aaatntcgac 120
agtcccttgc gggttccctc actcagtcta gagatctact atgagatcat acctttgg 180
ccaaagcatat ttctacatgg ttatcaatca tgccatcca aggaagttt cataaaaggc 240
ctacgaggac atgatttgg gggctttcag atagaggttc ctggaggatg ccactccag 300
ggagggcatg gagctccag gccccttccc ccatacctgg ccctgtgcat ctcttcatct 360
ttattcatta taatatcctt tgtaataaac cagtaatgt gt 402

<210> 484

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<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 484
gtatcaatca tgaagttaat aagaagtggg atcctccaaa agacacccctg gctttccccca 60
cagtcatcca cctgttccac ctgtttcaac aggtgaactc actgcaggca cagaagacat 120
ctaaggactt tagaagttag gtagcctccc aggacaccaa gacacctccc ccaagaaatg 180
actccatttg tacatttca tataatgttc ttcttacaag aggtatcttta taattttacta 240
gaccctttt tttctcaaaa tacatgggta taccagagga attatcttct aaccctcatt 300
ttgacccttt cacctacaaa cttgatttga tctgcctaat ctctgaggaa cttgctaagc 360
tctgggtgtc aatttatatg gccagatgtc cagaaagtat gaaagtctg tggaactatg 420
tttactttca cacatgaacc agtganggaa gccagttcat ctggtgatgc acattgtatgg 480
ctcttcttgg tccccaa                                         497

<210> 485
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 485
gtccagctaa tgatccaatg agagcatccc aattcatata caacttttc gattggctgt 60
aaaaggccagg taatggatac caccaggaga ggttgactgg atacaccata tctcttcaact 120
caactcaaaga cccaaactga tggagaagta aacatcccta ccagtcacag tggcagaagg 180
aaagaaagct ttgaagtgtc ttcaactggta aatcaaatttcc tccatcttag aagagacgt 240
cattattttcc ttaatgatta attatttaca acttngggac ccggaaagtca ttatatgacc 300
taccccaatc accagggact ttgttagtata attttaccac atctggatgtc cagacaggcc 360
taatatatttgc gccaaaaaaaaaaa tcaagaacta ctttgatcaa gcntaaanta aaaggtgggt 420
ttaaggaaaaaa gttannnnnnnnnnnnnnnnnnnnnnnnnnnnnng gggcngnggg gcccnnnnng 480
ttgggattaa cccgggttaa ntttttttaa angggggggc cccccc                                         526

<210> 486
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 486
ggcccagtga acagagcccc tggacattgc cgaaaggaaa ggagaaagcc cagcaaagca 60
cacgacgtat caggcttttc atgtgtcatt gggtaaaagg gagtacatg ggc当地aggag 120
gggaaggagg tgtcatcaga gcagttccac agccctctag gcacagtaac aggcatgctt 180
tctgtccttc tctcctttta gattgttaac tacccaaatg ccatctccat gggtttttt 240
ccttatgtgc aaactaccat atgacaggtg tgctgacaa taactcaggat atagctgaga 300
atgatcctgt agtccaagaa tgggttct gagctctgaa ctaaggaatc tgggagctgc 360
caacccaaaaa ggttactcct tatctatggc gcataagtga acccctggcc catttcttgg 420
nacaacatgt gcngggnaac caaggccctt ttttttaact aagggggaaag ggggnccgggn 480
naaaggcccc cagaaaaag gggggccgggg ggg                                         513

<210> 487

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<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 487
gctgatctcg aactcctgag ctcaagcgat cctccctgtct tggcctcccc aagtgctggg 60
attacaggcg cgagccactg caactggccc attaaatttt taaccgcgtta cttgacggat 120
cagctgacac taccaggacc agtaatctgg ctcaaccagt cctgcgtatcc cacccaggaa 180
cagaagacag caagaaaacc tcacttcaac actcccgatcg atgactccat cgacctcagg 240
aaactccaac caatcagcac tccccacttc ctgagccccct acccgcctaa ttatcttca 300
aaactcggat cccctaattgc tcagcggaga ctgatttgag caataataaa actctggct 360
cctgaaaaaaaaaaaaaggc cggggggccn attnanntg ganttaaccn ggntnaactt 420
gtttaaaagg gggggggg 436

<210> 488
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G

<400> 488
tgccttcgccc ccctgtgagg cctcagaaca ttcgnncnngc tccagtcatg gccacggcaa 60
gtgactgctg atttgcctaa ccccacatgt 90

<210> 489
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 489
tacctaaaaa aataaatcct ggccggccat ggtggctcac gcctgtataatc ccagcacttt 60
gggaggccaa ggccggagga tcacgaggatc aagagattga gaccatctg gccaacatgg 120
tgaactccg tctctactca ggaggcttag gcagaagaat tgcttgaacc tgggaggcag 180
agtttgcagt gagccaaagat tgcaccacta cactccagcc tgggcaacag agtgagactc 240
catctcaatc aatcaataaa atcaacatata taaatgtcaa aataacttaag taaaaatgtt 300
ctacttgttc tatgtcactg aaagaatagt cataaaaaatc cagtatgaaa gtttttaaca 360
gactacttta ttacattct attacttgat aagcagcact tgaataacca aatttatatt 420
atccccagaaa gttatggaca ctangtgctt caagaagttt gctgaattaa angacagatt 480
tacttattgg cttttggta aaaattatgc aaaaa 515

<210> 490
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

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<400> 490
 ggtggagtct ccgggaggat ggctgtggaa gaactgccaa ttccaagggc ctggtcagggc 60
 agaggcattc ttactattcc aaaacaagga aagggtaaaa ccaagatgtc aaaggccccg 120
 ctggtgtgga ancaaatttc tgcctccacc agctggatgg ctgctacccc tgtacaggtc 180
 cctaacactg gaacaggat caacccaagt gcttgggct caccatgtcc tcctccccag 240
 ccaggacagc aagtggaga cacaggcgag ctgaaagagg ctcactgtgt gcccagccct 300
 aacccctgc ctcattggca ccaggcaccc aggactcctc agaactcaga gccagggttt 360
 gggcagcctc ctcgtagtgc tccttgaata ggatttatag gacttgcacc angagcttg 420
 ggccattcca ggggacattg cttttgggg aaaaaaagga cccaatatgg gtatctaaga 480
 actttgaagc atgtcgtag aaatcgagc ttcaanggaat tggaaat 528

<210> 491
 <211> 537
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 491
 gttctgattt atgcagaggc tggttgaagta gaccacacga ttaaagcaag agagggagat 60
 agaagtggag atggcgcaaa cctattatac ctggatatac ttggatataca aacaaagaga 120
 ctcaatgtat aatttgcacaa tgaatctgaa ggaaaaagga gaaagaaaac acaagtgtgc 180
 aggtgtcaat tgtataccat catagtacca tcaaaaagaag taggaaatag tggagatgaa 240
 gcaggttcat atgatttggc tgcttccca cccaaatctt accttgactt gtatccc 300
 taatccccac atgtgggggg aggaagcctt tangaggtga tttaatcatg gggtggttac 360
 ccgcatgctg ttctcatgtat aatgagttag ttctcacaag atttaacgtc ttanaaaagg 420
 aacttttcc ccttttactt ggcacttctt ttttgcgtt ggcattgtga aanaangaca 480
 tggttgcctc ttcccttccc ccttgcattgg naagttcccg anaacctccc cagcctt 537

<210> 492
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(367)
 <223> n = A,T,C or G

<400> 492
 gtgtcgatgtt gaatactngg atgtggtcaa ctatactgtt cttaccattt aaaaagaagt 60
 gctgaggcca ggcatggtgg ctcacacctg taatcccagc actttggat gcccaggcag 120
 ctggatcaact tgggtcaag agttcaagac cagattggc gacntgggn aaccccgct 180
 ttactacaat caaaaattag ccattgtgtt ggcacacgccc tgtaatccc gctactcagg 240
 aggctgtatgtt gggagagctg aaccctggag gtggagatgtt cagtgagcca agatggcgct 300
 actgtgcctcc agcctggca acaaagcaac actatgtttt aaataaataa atnagtgcgt 360
 agatctc 367

<210> 493
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 493
 gtaaaagatca tcttggtctg ctgaaagtc aaagcagccc ctattgttgc tttttaata 60
 actctctaattt taaaacccaa caattctgtt gactcttcca taggaaatattt attcatgagg 120
 ctgtatgttta tagaaagttt tatcttgcgtt gttattaaat aaaaatgcatttca 180
 agaactgtt 189

<210> 494

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<211> 157
<212> DNA
<213> Homo sapiens

<400> 494
gttatggat atgctgcctc ttctgctaaa ctgtaaatct ttgaagacca ggagccacgt 60
cttacttatt tgtgaatttc cataacatct agtagagtgt tttccaccta attggcgca 120
ataaatgttt attaaaaaaa taaagaaggc tatgggg 157

<210> 495
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 495
ccaagatgga gtaacagaga ccagattcat gcttctgcct gaaacaacca aaacacagac 60
agaacatatg aaacaatgtc ttcaaaacac tgaacatcag cgatgaaagc aggaggcaga 120
gaaattctag gcagacacaggc gcgggtcccc agtgaacacag caccttcaag tcaaagtgc 180
ctgaaacctg ctgccaaga ccctggactc agtcagtaga ggagagaagc agcttgactg 240
gagagaagca acttgacttc agagggacag ctggacttca gaggaaagat agcttaactt 300
cagagggacg ctctgacttc agggaaagatt acctgaccat cccatcccc tttcagctt 360
ctnttttca cttggagact tccttggtt aaataaaaata atctgcctcc accatc 416

<210> 496
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 496
atgtaaaaaaaa ctaagacaca gagcagttaa aagatcta gacagaactc agaatgaaac 60
acaggctcc tacttctaga ctcatgttt tgaggagatc cgtggatcag catctctcct 120
ggcaggacc acagaggcct tccacccgct gtgtgaagcc tcgttgatg ccagcttcaa 180
aagaaaaagg tatgtcaatg ttccataaaag agaggatcgt gactctcccc ctgtgcaagt 240
ctggagctgg agagcactt ttctgtggg tgcagtcacc ctgaaatgaa actctcttta 300
ntagctttta cttgagaaga tncccatatg ccctacctac ttatngtnat gcncctttat 360
attaaaaaaaaaa aaagttgggg agttaaaaag gacca 395

<210> 497
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 497
agatgaagtc ttcccttgct gcccaggctg gtctggaatt cttgcctca agcgatcctc 60
ccacctcgac ttccctaaaga actgggattt caggcacaag cctgccccac tctgcaaccc 120
gggttagaga ccgctacatc aaaagcacat agtagggagg aagaaaaaac ccacagagtt 180
acaataatga aagtctggag gcaaatacgat tagaagtcta cttgaatagg tatccctccg 240
taggatagtt catcacatat tagaactaga aaggtccttg aagttatat agtggctggg 300

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ctaatctgtt agatttcaa agtccaccaa gatcagttaa acaattgctg agctaaagaa 360
 aagaacttac cattcattgg agttnttg ccattccatg cagttattgg aaataaaat 420
 ttgtatgct 429

<210> 498
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 498
 acaaggcctc tgcgaaccag gctggagtgc aggatctcg gctcaatgca acctctgcct 60
 cccacgctca agcgattccc gtgcctcagc ctgcagaga gctgggatta caggctggga 120
 ttaccaccac gcccgtctaa ttctgcatt tttagttaag acagggttc atcgtgttgg 180
 ccaggctgtt ctcgaactcc tggcctcagg cgatctgccc gccttggcct cccaaagtgc 240
 tgggattaca cgtgtgagcc actgtgcctg gcctattcct gatgactctc cttgctctga 300
 agtctgtact gtctgaaatt aatatagaga ctccctgctt cttt 345

<210> 499
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 499
 agagatcccc caagatgtaa aagttccagg ttccaaaaaaaa cctagaacca cccttaagga 60
 tggaccacga ggatctgaca gcctttgca aaggctcacc agcccccggacc tcagcagagg 120
 aaagacgact ccatgcttgg ctagcaaggg caacggtgcc accagcttca tatgtcccac 180
 ctggcagggg gctcttaaca ggggtcagag cagtaactgt acctgaagct ctccctgctg 240
 cctcttcttc gtgcccctt ttacccatc acagctattt cccctaatac atcttctgca 300
 tgtgcttctt ggaggacctg agatgacact gagccagact gaattttct tttttgccat 360
 aatcagaatg gattaattaa gaattaaaa 388

<210> 500
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 500
 gagaaaagtca ttattcacag aagatgcatg cgaaaccgccc cttgcagaat tacgactgag 60
 acgaccctgc acgtgatgca tcagctggca ccacccagat gcataaaactg gtcatctga 120
 tcttgtggcc cccacccagg aactgactca gcacaagaag acagcttga ctctctatga 180
 tttcatctc gaccaatcag cactcctggc tcactggctt ccccacaccc accaagttat 240
 ccttaaaaac tctgctccct gaatgtttgg atagaacgat ttgagtaata ataaaactca 300
 ggtcttctgc 310

<210> 501
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 501
 gaatcatgtt tacaaagcat tcccttgca agaggctgtc tataggatcc agatggtctg 60
 accccaagtc agatgtcctt tataacctt ctttatggt cctctgacca gcagcattaa 120
 catcaccctc acctgggagc tcatttagaa tgcagaatct cgggcctcat ccctgatcca 180
 ctgaatttggaa atctgcatct taacaagatc ctcaggcaat ctgtaagcat atgcatgggt 240
 gagaagcact gctgtacaac acttgtaac aatctctctt gtccaaagac ggggacgaag 300
 cttagctgtga aagctaacac aggtctcagg tttttctt cctgcaagtg agggtgagg 360
 gctgcattt ngggtcattt tcccaataa ctttccttgg gatcganggc tcctgtctgc 420
 caaaaagaag ccagaatgaa atgatgctgt agaaa 455

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<210> 502
<211> 397
<212> DNA
<213> Homo sapiens

<400> 502
gtctccattg cttgcgatga tattaatgaa acagctgctg atcttattga agttaccttg 60
tgcattggaga tggagtcctc ctctgtcacc cagcgagaag tgcaagtggcg cagtcctggc 120
tcagtgcaac ctctgcctcc tgggttcaac ggattctcct gcctcacccct ccttagtagc 180
tgggattaca gccccgtctaa ttttgttatt ttttagtaga gaagggggggt ttcaccatgt 240
tgaccaggct ggtcttgaac ccctgacccct aagtgaacca cctgccttgg ccttccaaag 300
tgctgggatt acaggctaga gccactgtgc ctggcctaaa tttcatacta taccgcattt 360
accctctatt taatataata caccctaatta agggttt 397

<210> 503
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 503
gtgagaaaaat aaagcccaga gaggacaatc agcaaggaat ccagcacctt ggagccatgg 60
aaacccttct tgggtgcctct ttggctcct catggcagca ggggcaggag ggcacacagg 120
gtgttgtgca cctagccccca ggtggataag aacatccaga tgcacctgcc cttcaactagc 180
tttgtcatgg ccctgcccccc atcccagctt cagggtaaac ccctgctacc ttcagtgctc 240
agccagtagg tcacttcctc caggaagtct gccatgacca ccaggttagt ttgcctctcc 300
ttgttctgtg ctcccattggc tccaaaactg caccacttct aaagatgcat tcattttgg 360
atctgatccc tgggaaggga tngaccagca ttgtccatca ntcttgagtc cccaaggcacc 420
ccacccaatg ccagcacata gtg 443

<210> 504
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G

<400> 504
acaagggtctc tgcgaaccag gctggagtgc agggatctcg gctcaatgca acctctgcct 60
cccacgctca agcgattccc gtgcctcagc ctgcagagta gctgggatta caggctggga 120
ttaccaccac gcccgtctaa ttctgcatt ttttagtaaag acagggttcc atcgtgttgg 180
ccaggctggt ctcgaactcc tggcctcagg cgatctgccc gccttgcct cccaaagtgc 240
tgggattaca cgtgtgagcc actgtgcctg gcctattctt gatgactctc cttgcctg 300
agtctgnact gtctgaaatt aatataagaga ctccgtctt cttttg 346

<210> 505
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 505

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acaggaatgt caaggcctct gagccgaagc taagccatca tatcccctgt gacctgcacg 60
 tacacatcca gatggccggt tcctgcctca actgatgaca ttccaccaca aaagaagtga 120
 aaatggcctg ctcccgcctt aactgatgac attgtttgt gaaattcctt ctcctggctc 180
 attctggctc aaaagctccc ctgctgagca ccttgtgacc cccactctgc ccaccagaga 240
 acaaaccccc tttgactgtta atttccctt atccacccaa atcctataaa atggccccac 300
 ctttatctcc cttegctgac tctctttcg gactcagccc acctgcaccc aggtgaaata 360
 aacagccatg gtgctcaccc aaaaaaaaaa aggccagcga ggccnattta gcttggactt 420
 aaccangctg aactttgttt aaaa 444

<210> 506
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

<400> 506
 gtacacatcc agattgccat ttcctgcctt aactgatgac attccaccac aaaagaagt 60
 aaaatggcct gttcctgcct taactgaaga cattgtctt gtaaattcct tctactggct 120
 catcctggct caaaagctcc cctactgagc accttgtgac ccccactctc ctgccccacca 180
 gagaacaacc cccctttgac tptaattttc ctttacctac cctaatttta taaaacagcc 240
 ccaccccatc tctctttgct gactctttt cagactcagc ctgtctgtct gcatccaggt 300
 gattaaaagc tttatttgctc aaaaaaaaaa aaaggncngn gnggncaatt cagnntggac 360
 ttaaccnggn tgaacttgnt naaaaggggg gggccaccca a 401

<210> 507
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 507
 aatgaaggag ctggacttgg agatctctt cacctctgaa gttgtgttaag tgaagtatac 60
 tgacccaggt tgaccacgct gctattcgaa gacttactca aagtttcaaa acagactaac 120
 catgtgggac tttgttttag caagggaaaac agccagaata aacatgtcag tttctccgtt 180
 ttatggggc ttcatgtgca gcattgtgac ctatacctcg gagtttttct tataccagat 240
 gaagcttgtt ctatagtctt cacaaggaca taacacttgt cataagtaaa tttttctatt 300
 ctcttg 306

<210> 508
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 508
 gatgcagctg actgcaatca actgagactg tggaaatggtg gatttaggaag gactacagta 60
 tactgaaggg tgagggtgag gacaagagaa gggaaagggtgg tggagatgtat tattcaacag 120
 tcaagactct gctagtagcac aagacaccag aaatccggaa ggcctctccc tgccccgcca 180
 aaacaggaga aaaaataaat ttctgaaaga ttttgatata tttt 224

<210> 509
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 509
 gtgggggtt tcaagggcag cttcgtctc tcgctgacag acagcaagaa actgagcccc 60
 tcagtccaaag tccacaaaga attgaatgcc gccaacaact atgcaaggat gtaaatgaac 120
 tattcttcac ttgagcctcg gaagggacca taaccctgac tgataactga taatagttt 180
 gtgagatcct gaaagcagag gataactcaga ctccctattc acagaagctg tgagagaatt 240
 catgtatatt gtttatgtc tctaattttg tggtaatatt gttatacttt aatggctaat 300

aaagctacca actcaccg

318

<210> 510

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(133)

<223> n = A,T,C or G

<400> 510

aactgacagg gnncannggc tcatgcctgt aatcccagna atcccagcac tttggggaggc 60
caaggaaaga ggatcattt gaagccggga tatggagacc aacctggca acaaagcaag 120
acctcatctc tac 133

<210> 511

<211> 114

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(114)

<223> n = A,T,C or G

<400> 511

gatcacgtca gatgttttt gnaccccnna ttnca gncac cagnttgaag acccctacag 60
aggnntgggaa ttggagacca acctgggcaaa caaaagcaag acctcatctt ctac 114

<210> 512

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 512

atggagnnctt gctccgttgc ccaggcttgtt gtgtcgnggc gcaatcttgg ctcactgtaa 60
ccttcaccc tcgggttnca gctgattctc ccacctaacc ctccctgagta gctgagatata 120
caccgcngtt caccaccatg cccagctaat tttctgtatt ttttagtacna aacggggtttt 180
caccatgttt ggccagactg gtctcaact tctgaccccta ggnagatcnt ggnccacctt 240
agccttccaa agtgctggaa tcacagtct tgaagccacc ggcgcctggnc gacaacagggc 300
ttctttgaag aacaaggggc cttctttaaa tttttaacaa antctcttgc ctttggttaca 360
cangagtatg gggntncaat aaattgtttt gntnggattt gaaatttgc 409

<210> 513

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 513

actgaggccct ctgagcccaa gccttcacgt atacatccgg atggcctgag gcaactgaag 60
gaccacaaaa gaagtaaaaa nggccagttc ctgccttaac tgatgacatt accttggac 120

attccttcctc ctggataatg nctctgganc tccccaccaa acaccttgc 180
 tgcccacaan agcacaaccc ccttaactg taatttcca ctacctaccc aaatcata 240
 aaactgcccc acccccattt cccttgcgt actctnttt cgactcaac ccacttgac 300
 ccaagngaaa taaacaagcc ttgttgctca canaaaataa aaaaaaangn caanaggngn 360
 cctncnnnnt gnnaatnaan catggtnnn gttntgtnaa aagggggggg g 411

<210> 514
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 514
 atcaatgggt ctcagtgtga tctgcagagc agcagcagca atagcagcaa catctgttcc 60
 tataggttgc actgtggagc aaatatacca ggaggtctt atttcccttt tctccctcac 120
 catccgataaa taaatccaag tggaatgcta ggaattggta aaaag 165

<210> 515
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 515
 caatgatgtt cagttccaat tttccaactc cccagaagat gctccactgc tccactctct 60
 tgccaccatg gtcattccaa gaaacaaatc tgaccacagc acttctcccc ccacaccctt 120
 cccaaacacag catggactct gcaacctggat atgaggggccc tctgcttcac tccagtcagt 180
 cccatggctc ccaaagtgtg gtctatggac tccttaggggt ctacaagatc cttccagagg 240
 ttttacgagg tcaaaaatgtat ttgataaaaa tactaagaca ttcttggct gggagccatg 300
 gttcatgcct gtaatctcg tagtttggga ggctgaggtg ggagggttgc ctgaggccaa 360
 gagctcaaga caagcctggg caacatagaa agaccctgtc tctacaaaaaa aaaaaaggcc 420
 agngnggccaa attcagntng nacttancca ggctgaactt g 461

<210> 516
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 516
 gtaaaccacca gcctcatcct ggggaagcga gaaatggtaa cacataactg gccaccgtcc 60
 aagctcctta gaatagaagt tcatggagg aagcatccac atgtgactc acatcttcag 120
 aacgctgcgc ctccctcccc caaacacact gacctctgcc tttcaaaagg caaaatttga 180
 tocattaatg ttccccagtg ttggtttcat aaagcgtttg gatggccct tcttcacaaa 240
 tgaataaaaaa tgagtaaaatg cctcagaatc aaaggaaagc caggactggc ttccagaagc 300
 acgaggcaac ccagagagtc catctgcagc caaaccatgc aacagaccca gccacagctt 360
 agaggctggc aacaagtctg cctgcaggat ctgccaagga accagatgt gttgcttcca 420
 aagcttggca tcagggcccc tgattgccat tcaacaaaaga gaaaaatag gggat 475

<210> 517
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 517
 gaaacaagtt ctagttggaa tggaaagctc attcaacaac cagggcatcat ccgcccacca 60
 ggatctcatg ctccctaaggc accggctcac tccaggagac tgagatggct gaaaatgaag 120
 aacaggggaaa cttggaccca gagacatact cagaggaaga acgctgtgtg aaggcggagg 180
 cagaggtcaa ggggattcat ctatgagcca cagactgcca cagactgcca gccaaccctc 240
 accagagcca ggagagaggc acagggcaga gtctacctca tacccttcac aaggagtcaa 300
 cggtgctgat accttgattt ctgaccttta cttcagaac tgtgagacaa taaattctca 360

ttgtgttaagc c

371

<210> 518

<211> 216

<212> DNA

<213> Homo sapiens

<400> 518

ctacagagct gcatctgaaa cactggctct agcatcccct atgagccaa ctgcagagaa 60
gggggctgta gcccctgaaag ccatgtgaaa taagacctga agtaaccgag atgccagtgt 120
ttggccaccc ttggctgaaa taacatattt acccagcaac aaagcttcc catccatttt 180
tatttaagag agattttaaa taaaatctag taaatg 216

<210> 519

<211> 483

<212> DNA

<213> Homo sapiens

<400> 519

accaggta agcagaagaa tgtcctgata atggcataga gccaaagcga ttccatcctc 60
tgacatgag ctgtgtggg tccccgtcct catacctatt ccagaaccac actggccct 120
gctctcgctt ccgaactgtc ggaggacgga cctgctttt caaggacctg aactccctgt 180
gttggttgctt aagattttt cccaggcatg aaaaggaaat gaattctgcc aactcatcgc 240
tgtgtctgtg ggaacagaaaa ctcagggcac ctattctctg caagaaaagc atcaattccc 300
tgaagaaaaa gtttcccacc tgagacaatg acacagacca acataaatgc tcttttggtt 360
ttatgatttc tgatattaga ttttacttga ttttttaat ttaattttt taaaatttcgt 420
tttgagagttt aaaagtgtta cttctttat ttccagcagt tcaaggaatt tcagagcaat 480
ctt 483

<210> 520

<211> 233

<212> DNA

<213> Homo sapiens

<400> 520

ggaaaacacac acacccatg cagtgaaggg ctgaagctcc tcttgggctg gtattcctga 60
ggcagaacac aggtccctca ccccgatgcc cacgaccact cagtaacaac atctaccacc 120
attcggaggc aagacaaact gcatgatgaa cccagcacag ccactcagat gtcacttctt 180
cctggtaag aagcagaacc cttagattcac aaaataaaca gtcatctaca ggc 233

<210> 521

<211> 366

<212> DNA

<213> Homo sapiens

<400> 521

ggggggggaa tggagtctca ctctgctgtc taggatggag tgccgtgggcaatcttggc 60
tcactgggac ctccgcctcc tgggttcaag cgattctct gcctcagcct cccgagtagc 120
tgggattaca ggtggccgccc accatgcctg gctagtttg gtatatttag tagagatgga 180
attcaccat gttggcaaag ctgatctcga actcctgacc tctcagtaa tctgcccgtc 240
tcagccttcc aaagtgtctgg gattataggc gtgagccact ggcggccgccc tatcattgct 300
gtatttcaag tacctgttta ccttggtaggg tctgcctac caaattaaaa gctttaaagg 360
atggac 366

<210> 522

<211> 368

<212> DNA

<213> Homo sapiens

<400> 522

acaaccctct cacagagcac agagcgcttc acctatgctg ctgccccgaa tccgaagaat 60
gtggagaaac agagcctgcc tccaccttccc cccagctgtg ggggaccata ataataacaac 120
ttcctccctcc ccaggcttcc cagcaccac agacaacgag caaaacacaa tttaaggtgg 180

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accgacttta caaaaggcag gcacgcctac gcgatgagca ctggatctaa gcagaaaacgc 240
agagccgccc aagccaggtc catcctggcc ccgctctgca cctcatgcca tgtatgtaccc 300
cacaggcctt ctgagggggt tcaaataccc tgtcaacaaa aggaaaaatt aaaggcactc 360
taatcggt 368

<210> 523
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 523
ggagcagtgc atactttgt tggggatga gtatgaaat cacaccacgg gtcgcattc 60
caggcaggtt gaattcccc gggctacag aaaacctgac ctcctacaag acagagacac 120
caaatacgccc ccgatggaca agcagaggac caaggggttc ctgggttca tcgtgcagga 180
aacactgcaa acagctgggg agatggaaat acttgacaac caccttcac gtccagagat 240
gaccaactag gaactgtcct ccccccacac ccacacccca gcacagtat tactcagcca 300
aatgcctgca gggccagcag gtaacaccca tgactgaagg tggcggggca aatattacaa 360
cagggagagg tggaaacaat ttgggctcgat gggccatc taagaggatg accaccgccc 420
aattccaact gggaaagcag gccccgtgtt gccagacctt nagaattttt cagaaaaact 480
ggaaatt 487

<210> 524
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

<400> 524
gggttattac ctttngnccc ncnaagtggaa aaaagnggna aggggggggg aaaaatggtgg 60
gagccctnnga naacagacca cttcaccaag agggcccaag gtgatntgta aaaaagaagac 120
cattnccnnca ttcccttcatt ctggaccat tctaccaaaag cctcaagaaa gaagaagggg 180
cctggaaac aagcttcctt ttcccttcac caagcctca agaaaggaa attcaaactn 240
ttgncccccc attnctcat ctggggaaac tttcccaatt ttcttggAAC tttggagaa 300
aaaataaaaat ttcttgggtt atttt 325

<210> 525
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 525
attcatagcc natgatgatt aattggagat gggatttttgc aaaaccttcc tagccactta 60
gctaaggggac agcttcccc taacacttcgtt gtttttttttgc tgaaaatgaa acctgcttt 120
tccagaacaa tgagaatgct acctctggcc acaacattcc catccaaacta agatcaagcc 180
agattgctct tgagtcattt gtttttttttgc catggaaaga ggaagagtag ctgcagttga 240
cctataaaact ctgccttggc cttgtcccaaa gcttaatccctt attacatccc acagactgtc 300
cctggagtca gaagtgtcc ccagacttgtt ccttaatggcc tagcacatgtt ggaagttgtc 360
caagaagtca tggcatcaa agagacccctc agagaccact taattgtaca agactttatt 420
tgncaactnc taaaantnct gagtgccatg ggacaaggca aggaagatgt anttgctggg 480

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caagaaaagg gagca

495

<210> 526

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(355)

<223> n = A,T,C or G

<400> 526

gaataaaagan ccttttnac tcnctaagtg accgggattg aaccnacat caagaaattg 60
gagcnaagt actttgtgn ttaacaaga attagggaaat gggactctca agctctctca 120
aaaagtatca aagaagtcaa attcatcaga ccactgtgtc gagacaatga gacgccagat 180
gccagattcc ttatttgtca tgattgttc cttagccctc cctagttcct gtttcctgc 240
tcataagtta catttttcc ttgctataat atcccctaatt ttcggctgt tgaggagatg 300
gaatttgagac tgatatccca tatkcttaac tgttagcatgc aattaaagcc ttctt 355

<210> 527

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(521)

<223> n = A,T,C or G

<400> 527

ccatctgca ccagagttga gctgtgaaac tgcaagtca gaggaggta tggcttagtg 60
caaatgtgga agtctcagtc atacagaaga aaatgaaaag cctgttctc ctctcacag 120
gattgtgaga agcagggtc ttgaggtctc aaatgcccta ttggaggtca ggctctggag 180
attccaaagat gaccacacaa tccctctcc gtgaaattca cagttctgag acaagacaga 240
gaccaagcag ctccaagccg gccccctctgt ttataaaacc aagttccggg ccaagtgtgg 300
tggctcacgc ccgtaatccc agcaatttg gaggccgagg tggccggatt acctgagggtc 360
acatgttcaa gatcatctg ggcaatgtgg tgaaacccca tctctactaa aaataaaaaa 420
antaactggg cgccgggtg catgccttt gatgccagct actcggaag tctgaaggca 480
aggaagaatc gcnttgaacc ccggaaagtg gaaggttgca a 521

<210> 528

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(510)

<223> n = A,T,C or G

<400> 528

ngntctncta agactacaag ggaacactgc gactttccct gaggctttgg gttactggga 60
agatgaggaa ggataaatgt gaagttgtgg actgtttaa attccacctg accattctgc 120
tttcctgagc aacccatcca cggcaattta gtactggctt tcttcagagc attaggacaa 180
tgggattctg tctacagctg tgccatgaac ggactctgtat tccttaggca aagaatctc 240
tcttgctaaa atagttatt tgaaggata acaggaatat ataaaataat gtctcaaagt 300
gttttggtaa cctggtaaag aactagattt cacatgaatg caacataatc agtactatcc 360
ttagctattt atgacatatc taaatgggac attcngggca ttgtccggag catgctgaca 420
gaagcattat attttcttaa gaaaacttaa tgngccctc atttgaccac tttttancat 480
gtcccaaacc ttccanacat tggatttaa 510

<210> 529

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<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 529
agaaccctga ctaatacaaa tgtggaaagga ctagactggc ttagtcttca ggcctacatc 60
tttctccgt gctggataat tcccgccctt gaacatcata ctccaagttc ttcatgtctg 120
ggactcagac ctgcaaccac cgactgttagg ctgcactgtc agcttcccta ctggcagggt 180
tttgggactc agactggctt ccttgctctt cagcttgcag ctggcctttt gtgggacttc 240
accttggtc gtttgcgtaa gcacatggct gaaacgcctt cccaaagagt ttgtccagtt 300
tctactccaa acacgattag agaggaatct ggacctgtc cctccaaagt tgcctctgt 360
tctgaattt tatggcttag attctatcac aaaattcaca acgtatgttgg aagtggttct 420
gctgtgacca aanggggagg tnaatcatcg taaccccaaaggatgcata atggaantat 480
cataaggatt tgaatatatgt ccta 504

<210> 530
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 530
gcacaaggaa agactacatt tcccagtctg attgtatcta tgtgggcta tgctaccagt 60
tctggcaaattt ggactatgtt ccagcagcac gatataccac ttcatgccta gcacctacaa 120
tctgcaagac agcatctgtt ccctcccttc ttgttactgtt aggattatca gtgtccagca 180
aaaccaggac attcaccaac atattttgtt aaatgacaca gcaagaaggc cttaccaga 240
tgccagtcctt ttggcttgg acttcccagc ctccagaatgtt gatctgatgtt ttgtttct 300
gctcaacaag ctgctgagca gcaatcccag ccccaaggcc cagagcacct ttctctggga 360
gtccaggcctt angactgttgc tctgcctgtt cctactgtcac angcctcaaa accaccacc 420
tcaacttctg ggtcaaggcac agtcaagaag caaggtaaga ngctngtctt cactggatgt 480
actctatgaa tctgcntttt cgttcaagc tgt 513

<210> 531
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 531
tctccctaa aggcttgatc aattcagctt acttaatcac aaaactgtaa cgacagaata 60
tttgcagac ctattcaaga agtcttcaca aatatgaaaa tctctctctt tcattacgtt 120
aaaaagacac ttgcacatgc atgtttatag cagcacagtt cacaattgttca aaaatatgga 180
accagctaa atgcccata gccaacaagt ggataaagaa aatgttagtat acattcacca 240
tggaaatacta ctcagccata aaaaggaaata aaataatggc atgtgcagca acctggatgg 300
agttggagac cactattcttca agtgaagtttgc ctcaggaatgtt gaaacccaaa tatcatatgg 360
gagcttaacttgc atgaggatgc aaaggatataa gaacggatata atgaaccttgc gggacttaaa 420
anggaaggat gggaaaggat gaaggatataa aaacttcnca ttggctncag ttttacactgn 480
tcgggtgcca ccaaatttc a 501

<210> 532

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<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 532
ggctactgc atagaaaaca ttcaaaaata ttttagagt aaatgagcaa gtgtcaaata 60
catgaatgaa ttgcatggca catagtactt aacagggaaag agacagaaaa gcgttgatat 120
gaagaattc taaaatccctc atatgaaatg agtaaaaatta aggataaatg acactggaaa 180
accaaaatgg cttccatatc ttccaaatg ctgctgctga ttgttcaca tagaagccta 240
ttcatcatcc tgcaagatga agttggatat ctttcacccgt cttttgaag tcatcatcag 300
tttcctctc ctacccccag gcatgagtt tgtatcactt acatttatgc tccacaatgg 360
gaatattgat ttggcccaa taaagacatt caacaaattc ttaatgagtg gatcaatgga 420
agattnctgc caacaaaat ccangnaat ctttgagtt cacagtggan tggcattctc 480
tttggattca tttccta 500

<210> 533
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 533
actttgc ccatngaat ccctagtacc tgaataacn gactggcttg gagttggcag 60
ccaaacaaaaa ttgtcgAAC ggtgaacga aatgaaggaa cgtgagaggt acacaggaac 120
cacaatcata taaggcaaaa cttgcatgt ttggagtggc gcagagcttg gaaggcccgt 180
acaaataagg gcatgtaaaca cccttccaga cagcaaggat tttaatggc ngatccctaa 240
atggcccccga aagaacttca cccttgnta ggaaggcttc aaccattcc cccaccctta 300
acctttttt aaaagganta caaaccaaat tccaaaaact ttaccaaaa cttngnaaa 360
ttttcttaag ctttg 375

<210> 534
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 534
atcatgnaaa ctagnaggat ttgggacca ttcaagcaaa accaccattt gaaaaagg 60
cgtgcaccac anatnggtgg ttttaaaac caccaaggaa attgggggtg ttggaaaatt 120
gaaaaagnaa gccaaagggg ccttttatt ttgaaaattt ggaaggggaa aaaccaagg 180
nggaaggccct tcccgccggg attttaattt cgganaaaag ngggtccac cttggggatt 240
ttggcccttg gcccaccaag gggttttt tggggaaagac cttggcttt ttccctta 300
gnaccaattt ccaccccgaa gattnnnnn ggaagaccaaa aaaaaatagn ttggnttggc 360
caattttgg gaccaaaaac cggttaacc ttccaaggaaa aggaaat ttaatttgg 420
tttttgc caaccccaa ttnaatttgg gaatttttta attccnaaaag gnccnccaa 480
cccaaattgg ggccctttt aantcccccc cccttgggt tgcccaanaa gggaaaattt 540
ggaaaatttt taaaattttt tcccccaat taaaagg 599

<210> 535
<211> 381

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 535
agactaccct agcattaagn tncaagnaac taggagnctn gcctngcaag accaaagncc 60
cccttgccac cattggaaag gaaagcccc attccttggt tgggttagn ggaaggaagg 120
aagggttggat ggccccaacc accaccaacgn aaggaaaaaaa aaggaaaaaac cggaaggaag 180
gaagggaaana aggccacgga aggaaggacc acgcaaggac cagnaaggaa ggaaggccgg 240
aaggccattt tcttggaaaa gggcgccaag gccttccccc ctttctccc ctttgggttgg 300
ccttttcccc aagaggttcc ctttgggttgg ccttttggcc ccaaattaa aaaaccttgg 360
ccccctttt ttttctttt c 381

<210> 536
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 536
ctgggggggg gagncttacc ctggcatta aaggtgcang gaactgg nag gataatnaaa 60
tgaaaaggat tcttggnaa ccttggaaag gatagcccat tttccattac caaggcncca 120
ttcctttaaa cccctnaaa aaaggggaaa aaaggccnt tttggaaagg ggggcccana 180
ttggaccagg aagggattaa ccatnaagna aaagtttgg gggattct tgccaaattg 240
gaaaagcctt ggggattttt taagggaaagn ggcgtttac ccccccacacc tnggaaaagg 300
tttaaaaggg gatTTAACC ttttggggcc ttggcccatt aaggccattt aaaaaccaaaa 360
ttggaaaagg tggaccttgg aaaaaaaaaat tcccaagcaa aatttttcc aagggaatta 420
aaattctta ttctttaacc ttttaaaaa accaatnggt ttttaaaaa aggttaattt 480
ggttttttt ggggtttttt ttgggccaag gnaacctttt ttttttttgg ccaatttaac 540
ccttttaaa tttttttcc ttaaccctt tttgggggn gtttttnaaa aaaaatttcc 600
cggaaccct tngggttttt tttttttttt 630

<210> 537
<211> 258
<212> DNA
<213> Homo sapiens

<400> 537
agtgcctgtt cctgcctgct cggtgactga gctgatctct ctaggaatga cctgtgtgct 60
gatcaagccg acacgtctct ttgcttcccg acgtcctgat atggcagcaa agggtggttag 120
aatgaagtca ttccctgcaaa agaagctgtg agaggaaata cagatgcagt ggctgaatat 180
gaaagtgcctt atgttcccaa aggaagaaaa tgctaaatct caattagagg ttggaagaaa 240
taatgacgca gtctttt 258

<210> 538
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 538

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ggacgttctt gggggggaag cctacccttg gccattnaaa aggttcaagn aaaaccttgg 60
 aaggaaattc ctttttggt taaaaaaaaa atgggggaag gggaaaggac cccaattccc 120
 atttttcctt ccaaacaat ttggggaaaa ccccaatttt gggggatttn cccacaattt 180
 aaggggaaaaaa aaatttggtt taaaagggg gcacccacaa ggaaccccccc ncggggaaat 240
 tataaggggg aaaaggggaa aaatttttt tcnnttcccc ttnggaccc cncgccccna 300
 aaaaaggaaa cctggggagt tcnnttctcg gccttngtt gcccaaaggn cccaancctt 360
 ggggganaaa naaaaattgg ggggaccgn ttaacccttt ttttgggtg ctttggacc 420
 cttaacccaa acccaatttt ttctanaagg gaaaanggga agggggtgnc cccncccttc 480
 cttttccat ttccaaattt ggtgggggtg tgggaaggg aaanattttt ccaatttggg 540
 ggggggggggg gggggccct tttcnngnaa aaaaaaaattt gngggaaaagg gaaaaaaaggt 600
 ncntttta atttggggccc cncttttg ggccccccca caaaaaaaaaa aggnaaaaaaaa 660
 ttaaatttgg gncccnntt ttnccnccg ggaaaaaaaaa gggnaaaaaaaaaa ggnnaatttt 720
 aaannngccc ttngggggcc tttggtttcc cccttggg 758

<210> 539
 <211> 240
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(240)
 <223> n = A,T,C or G

<400> 539
 gatatgatgg gtgaaattct agaatccacc ctggaccatg aagactctgg actataactct 60
 caggatggca gagcagttag ctggaggag tctggctcct tgagaaggat ggagccccca 120
 caccacaagt cccggactgn ctgcttact attcagcctt aacaaagaag gaaatcctgc 180
 cattggcaac aatgtggatg aacctggagg acactgtgct aaataaaata agccaaacac 240

<210> 540
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

<400> 540
 aggttncaga aactggaaagn gnctctctcn cacctncaan tggcnngna nnncnagaag 60
 gggggaaattn canacacaaa gaactctcgc tggggat cttcagaaat cgatctcctt 120
 ggntcntcaa acgcnaggac tactatgctc gccacccatc caaatcgctt ggcgttaaga 180
 gggtaatttc ctagagcgta agctnancca ttnancattg gctacacacc acaaancgcc 240
 acccggnnggg gtgatanaat ttttggnc attaanattt gacttngggn aggaatgnnc 300
 anctagctct tttacaatta aaaattggtt ttaggacctc caaatggcg tgaaagtaaa 360
 tatanaaaaaa cgttggcctt gggggggcat actaaaaaaat ttgccttgc gcaatctcat 420
 aggaagacta tcgagccccc ntntacgca gnaactntn gcaaangggn caattaaag 480
 acaccaacgg cgacccaaattt tgggaaggc cccctc 516

<210> 541
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 541
 ccaagaagcc ttaattaaca tctgttaaga actagaagat gcatccact ctttactttt 60
 tattcctaatt tctcatccat aactgaaaag gttaacattt caaatggat tacagaataag 120
 ttagtgcact ttcctatatt catataccaa gtcaatgttt aaaaatagct tatgttcagg 180
 agaatggcgt gaaccggga ggtggagctt gcaatgtttt gagatcgac cactgcactc 240
 cagcctgggc gacagagcga gactccatct c 271

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<210> 542
<211> 331
<212> DNA
<213> Homo sapiens

<400> 542
ctggtttgc atccccggc cagcatgaac aacagtaacc atcttgtaaa cagtggcaat 60
gtgggctatg catcttacct gcttgagcaa gagaagaaca aaggatatct acctggacag 120
gtgagaattt atatcattga aagcttcatc ttgattact gagtgtcatc attcatgctg 180
cattcagaag aggtgattca aatctccaga ataaagtgtc atcatcaatc tcacatattg 240
gtatgctcga atagacagca tttaccatcc tccctaattgt ggaaagaaaa ataaaaaatg 300
agtactaacc atttgctttt tgtgttaaaa a 331

<210> 543
<211> 111
<212> DNA
<213> Homo sapiens

<400> 543
gaccatctt aatcaaactg aattaactgg cctgtgcaga ctgtcttat cctctaagat 60
tcagggatac tggcctgtga gttcagcac cgacttctg gaactgtaaa g 111

<210> 544
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 544
ccaattactt ctgactttca agactcttgt atttcactgg ctttagggaaa atcaagctaa 60
gccctaagtg atgggtggat catccatcca gttctttgct tcctctagct gatatccttc 120
tttgctgtac tatatggaa aagcaagaaa tattgtgaca cccaaaggaa ggagtttgc 180
tcttgcgtgt ccagctggag tngcaatggg cnngnngatac tcagnntcac ntgcaacctt 240
ctgcctccct ggggttcaa gtgatttctc ctgccttacc ctcccctgnag ttaagcctgg 300
gggaattaac aggggccacc ctggccacc caccggcccc cgggctttaa attttttttt 360
ggcaattttt ttttaaga 378

<210> 545
<211> 110
<212> DNA
<213> Homo sapiens

<400> 545
ggccctggga gagtgggttg agagaatgga agtgaagagg aaggcttcac catcacctt 60
actaacatgt gttccttacc gttaaataaa cattatagga ggcgcattat 110

<210> 546
<211> 70
<212> DNA
<213> Homo sapiens

<400> 546
gtatattatgt tcttatatga atgacacgaa gaaacaatga aattgaagga aaggaagatg 60
aacgctaagg 70

<210> 547
<211> 181
<212> DNA
<213> Homo sapiens

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<400> 547
 agagcagaga aggggagaag agaagcatgc agctgaacac cgagagaag tttgactcca 60
 gagggatggc ttgatggtgg gacttcagga gaagaatacc ttccctgctcc atccccttc 120
 cagctccccct tcccactgag agccacttcc attggcaata aaatcctcct cagtaaccac 180
 c 181

<210> 548
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(342)
 <223> n = A,T,C or G

<400> 548
 tccccacagcc ctgtgaccaa aagactggga gtgtatgtca ggcctcttag accaagccaa 60
 gccatcgcat cccccgtgac ttgcacgtat accgccccaga tggcctgaaag taactgaaga 120
 atcacaaaat aagtgaatat gccctgcccc accttaactg atgacattcc accacaaaag 180
 aagtgtaaat ggccagtcct tgccttagct gatgacatta tcttgtgaga gtcctttcc 240
 tgggcttcat cctggctcaa aaaagcaccc ccactggagc atcttgcga nccccacttc 300
 tgccccgnca ganaacaaaac cccccctttt actggaaatt tc 342

<210> 549
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 549
 aaaccaattt ggcccggtt gcccctttac caaaaaaaaa acccgggggaa aaagggttta 60
 aaaaaaggaa accttttaaa aaggcctttg ggaattttcc ccccaacccg ggaaaaaaaaag 120
 gccaagggtt cccaaaggna attggcccaa ggggggggaa angcAAAAG gnggttgant 180
 ttttggggaa gnAAAAACCC ttttaacccg caaccttggg cccccctttt ggcccaaaaa 240
 aaaattaatt ngtttcccc cttcggg 267

<210> 550
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 550
 agtttcgctc ttgttgcaca ggctggagtg caatggcacc atctcggttc accacaacct 60
 ccacccccc agttcaagcg attctccctcc ctttagtagag atggggtttc accatgttgg 120
 acaggcttgt ctcaaactcc tgacctcatg atccgcctgc ctcggcctcc caaagtgtg 180
 ggattacagg catgagccac catgccccgc ctatctagca cttttaaaaa gtctgaatgg 240
 gaaacatttg ccacctattg cctctaaggg tggccaccta tgagacttca tctacattaa 300
 taaaactaca tacaatttat ctacataata a 331

<210> 551
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 551
 gaaatccctg aaaaaccaga tggcacaagt tactcagaag aaatgaaagg atttccatt 60
 attcaaataag gaggtggaag aggaagtgtg ggagtaatta ctggattaag atcactgaaa 120
 gacaagattg tcttaagga aacagaagac tgagaagaaa agaagcttgc tcaaggtcac 180

atagagctgg aatttaaatt cagatctatt atactcttaa ggactgtgga aggcttttag 240
 agcaaaatct gatccagaga ctgtggatgc tggaggagcc gtcaaggctg gggaaagtaa 300
 acatgcacctt gtgtcgcaa tcaacagaaa 330

<210> 552
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 552
 tggttttgcc gttgttactg ctcacctgg ttgattcagt ggcgtcgccg ttggctctg 60
 ctacagtccaa ttactcacag tgccagcaca tggttcccta aaaagctca tcaccatcct 120
 cctgcaatgc gaccccccgg tgcctgccta ggaggataaa gtccaagttc 180
 tcctgtggaa agaagaccct tcacacgcta gtcggccct gtcttcagcc cagccccgt 240
 tggttccctt cctgccttat cctaagacat ccttacctt caatcacact cactttccg 300
 aaggcattttt gaaggatttgg agggagttct 330

<210> 553
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 553
 cttaaataag tggatctctg gataaggccg ctgactgatg agagaaaagag ctggctttc 60
 ttccgacaat agttgttgc acctcttgc ggcaagaaca gtgatagaac agacattatc 120
 atcaggagaa tcagctcgta aaagccacnt tcttggcaca tcaaaggaaa acctggactt 180
 tgaattctct gtgtgatccc aagtaccaga acagccgccc agcagggct ctggaaatgt 240
 gcctgaaag aactcagaca acaggagacc ctccctcagc ttncagggtc tgctggccat 300
 ttgcacacag aaggagcag cttgtggtt tcaaagg 338

<210> 554
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 554
 gaagctgtca aaaatgtttg aaagtcaactg cacaaggaa gagtcaccac tggtcagtt 60
 tgcgtactg gctaaagcat tcagatgccc caagagtcaa aaacacaata acgaaatagt 120
 gagactccga ctcaaacaac aacaacaaca acaactctca tcttttgcc tataaggaat 180
 tattcttggc ctctgttgc caacttcaag taaaaggacc taacctactt agaagg 237

<210> 555
 <211> 331
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(331)
 <223> n = A,T,C or G

<400> 555
 tcagctacgg tgaagctatac taaaccgggt gctctatgga cccagcagga tgtctgcaag 60
 tggtaaga aacattgtcc gaatcgtat cagatctaca gtgagtcatt caaacagcat 120
 gacataactg ggcgagccct gctgagactt actgacaaaa agctcgagcg aatggggatt 180
 gcccaggaga acctccggca gcacatcttta caacaggtgc tccagctgaa ggtgcgagaa 240
 gaagtcagaa atctacagtt actcacacaa gcattattct gagggttct tccattaaac 300
 accggntagc ctttccaagc tgctgtcct g 331

<210> 556
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 556
 ctccgcccag ggagatggag acagagggcc aaagagcagg agatccgctg gacactcgcc 60
 gaagagcggg agatcgctgg acactcgccg ttgcatcat gtgggtgct ccatggcttc 120
 caattggcca aatttttc agtgtaaaa tgctgtaaaa tataaacgt atgttaatttc 180
 ttgacaaaaaa ataatactat ttcaggttg actcttt 218

<210> 557
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(330)
 <223> n = A,T,C or G

<400> 557
 gccaaagaac anggaggaag actgagaaaag aacgtgaagg ccatctttt cccacaggcc 60
 cttcgcagga ggctccggac tgctccccgc actgcgagat gcctctgtga gccgaggagc 120
 tgtaaaacac gcagcgggag gcacatggga tgccggatgc caagctgtgt gcatggaca 180
 gactgagcaa cccaaaggag cctgctgtcc catcaagcac gtggcaatcg gggcatccca 240
 tggacaatgg aaccgtgcat tgtgagtcca tgtgatgaac cagcgcacnt ggagccacnt 300
 gggccttcc ctccacccgt catcagtcag 330

<210> 558
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 558
 gtggcctcag acagaatgac aggaccagt cccggacagg acacgcacaa cacaaaagct 60
 atgggaggta gaatcaaaag taccagagcc caagagccgt ggaagatggc tctccgattt 120
 ctttcagaca agcaccctta cctgaatgtct tgcaataaa acagactgcc tg 172

<210> 559
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 559
 aggagaatac aacgttttagt atggatgagt aatctgctga agatcaactga atgaatgtgc 60
 aaggaaacca taacataaat ccattgtctt ttctactact caatttttc ctgttactaa 120
 tatcattttt aaaaataata tttatgggt tacaatttat gtttaataag ctttacccat 180
 ttaccacgt tatgacccaa caagaaagcc ttccaccatgc gcccactt gatgttgaac 240
 tccccagcct ctagaaccac aaggtcagca taatattttt caaactcatg catgctcctg 300
 catatatcaa tagcctcatt tggttttat tgcatt 336

<210> 560
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 560
 ccaacttcag gactgattga tcatgacttc tataaaggag caggcagcaa tttagcaggct 60
 ctaagttttt ttacaggagt gggacaacgc tggcaagtc gcaaggagtc acatcctcg 120
 caagttcatt gaaaccaacc aaggcaagac tgccctgaa ctggagcagg agttttccca 180
 gggagccagt ttgttctgg tacgcttgcac cacctcgctt agaataactg acttacacct 240
 atggtcccag ctgcttggaa ggctgaggag ggaggatcac ttggccttg gagtttgaag 300

cttgcagtga gctatgatca caccgctgtg ta 332
 <210> 561
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 561
 aaatcatgcc caagttcaaa caacgaagac ggaagctaaa agccaaagcc gaaagattat 60
 tc 62

<210> 562
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 562
 accagctaga ggtttatcaa ttttgggacg tgccctccatc tcatctccctc agactcggtg 60
 ttcaacaat ggcttgctc ctcagtcacc tctctctgga aggatccctc aatggatgag 120
 tacacctgcc tctggatggc acatgaagcg tggggcaga atcaatccac attgctgtct 180
 gaatgttagta ccactgctag aagcaggta atcaacaacc aggcctacag gaggagggag 240
 gaagaagaga ggctgctcta tgtcctcctt ttgcccccttc ccacacacag taagatgaag 300
 atctcttccc ttgcacccct cagtctcctt tg 332

<210> 563
 <211> 308
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 563
 gaggcagctc tcctccagtg cggccttggg aggagatcct acggctgcca ccaggcgcatt 60
 cgcattccct cctctccatn cttgatgcca gagtttccc gggtgtgatc tgcttatacac 120
 ncgtcccttc tgaggacagc tctgaagacc agcttccctt acttgcactg tgagaccagt 180
 ggctggcttg tttccgttga gtngggngc cctctttgac tngaccacan ttcccttggg 240
 cccatttctt ttcccccttc cccctttgaa gaaagtctac ttggncctnn ggggggcagg 300
 gggggta 308

<210> 564
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(354)
 <223> n = A,T,C or G

<400> 564
 agccagcccc acctcccaagc ctcctcgcca atcagcgtgg ccgtgcgcct gagttcttagc 60
 caatggggaa aagtgaagga ctccagagcc cctggagatg gaggatggag gagcctgggt 120
 tcttgnatcc tcacatggaa tgccagccac aaattggcat ttggactcct atatggacaa 180
 ggaataaaatt taaatcctat taaggctggg tgcaagtggct catggctgta atcctactgc 240
 ctttagaaga caaaaaggcag ggaagatcac ttgaggccca ggagttcaa aaaccaagcc 300
 ttggaccaac attaagttag accccgtctc tacctaaata aataaataaa tcta 354

<210> 565
 <211> 350
 <212> DNA

<213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G
 <400> 565
 ctccaggact ctacctctca tcaaggctga ccacgaagca agatgatgga agccaagaga 60
 gtcctctgc atgctccact gtctaagctc tgctctgcat ctgccgtat tcttcttcca 120
 aacagaaaac accgtcttc ttttgacta catctgtcct cagagatggt gctgatggat 180
 ccatttataa ttatgtgaa ttaaacctt tgaattttt acatgaaata aaaggaccta 240
 tttntggaa agaaaatgct gaacaagagc tganaacctg gggccatct taangcaggg 300
 gttccttcc ttacacccct gctgtcanaa agccanctgg ttggccattt 350
 <210> 566
 <211> 193
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(193)
 <223> n = A,T,C or G
 <400> 566
 taccacttcc gctgtcacgg taaagtccgc catcagcaag actgaaggag ttgaaagacc 60
 attnanacgc tccttactc tttnagacat aagtgtntcn attgntaatin aanttnnnn 120
 tccaggcccc nccccngtt cattnnlgca aaatggactg ngcctcngac ntcctcnnaa 180
 aatgttcaac ctt 193
 <210> 567
 <211> 310
 <212> DNA
 <213> Homo sapiens
 <400> 567
 ttttcgtcg tcttcccacc tactggttat gtctgattca gttccagcga ccttgaagtt 60
 ggaaggaaag cctctgccc tcaacttct tcattccctga gttgagttc atggaaaagc 120
 agcctctggg agtaacaagt acagatgcag ttccaccatg tttagccagga tggcttgc 180
 ctccgtaccc tgtgatccac ctgcctcggc ctcccagagt tctgagatga caggtgtgag 240
 ccactgcacc tggccaataa ttttattttt aaacatgtaa gattctatct ctgaataatt 300
 agttaaacct 310
 <210> 568
 <211> 317
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G
 <400> 568
 gatatatggg acacctgcac cggcatttga tttggccccc caacatctt aagtgcacaa 60
 acactatctc caaggcaat ggattcccc ggcagatgag aagatcacat tactcatgtt 120
 caaatatattt ccccaatttc acaagtattt tggatattt tgcattngnn ggnagacaac 180
 tggcttctta tcttcttcca atgtcaaaag taaatggat gattataact ttggcaatatt 240
 attttaagca gaatttagtat attatgttac atgtttatg aacatncctt attaaaattt 300
 tgggttatgg actcatt 317
 <210> 569

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<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 569
gctgaaacct gcanaggccc cacttagtga atatttccaa gaaggagacc tgcagtcccc 60
cacagaacct caccattggg ctatgcatacg tgctgctta ttggtaaaac aggaagatcc 120
aatttacacc taaccctatt tcatagtttgg ccaacaatgt atccatggaa ggacccttca 180
tgtgagattc caactgcatt ctaaacactc agaggacatt ctgcattgcc tggggtgtaa 240
gcactgccc gagatgtaaa tcccttgta agaacagcaa gttaggcagct tnaccttggg 300
cttcaccacc ttcatgaaga ctccctgtac caacgcct 338

<210> 570
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 570
tatccgcact atgaaaagttc ntgaaccaac cgactacttt agnagaaaac aaatggncat 60
tgatgtcctt caccccccggg taaggcggac agtgcctaag acaagaaaat ttccggggaa 120
anaaactngcc caaaaatngt tacaaaggac ccaccacccg gtatgnitcat cttttgtatt 180
ttggggattt canaanntc attttttgg ntnggggggg gcnaaagnac aaaacnttgg 240
gcttttttgg gcnantgaat ttttattgg aatttccccc ntggggattt tatttgccca 300
naaaaaggaaa aaaaaattgg aaancccccc aanaaaccat tntgaanctt ttggccaaag 360
aaanaatng ggcccntngt ttttgnat ggaanggna aaaaaaagg accccttncc 420
aatgtaaaaaa aaggcccaan ccccgaaaaa ggggggaacc cgcc 464

<210> 571
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 571
tctccctctg ttgcccaggc tggagtgttag tggcgtgatc tcggctcaat acaacctccg 60
cctcctgggt tcaagcgatt atcctgcctc agccgccccca gtatctggga ttacagcagg 120
tacctgctac ttctcatgct tcattgttaag aacaagatct gggtccagct caacaaatac 180
ttgaacaaag aatgaagtaa gcagaccagt gtaaagagaa tgcctcatac aaagttcaga 240
ggcccgaggag atagaagctg gtaaaaccat tcaccaagaa gccaaaggcgt gaaaaaaaag 300
ganggggtgcc ccaccaggaa aatgactgca tgcaaacaga gcttggttat agtggggc 358

<210> 572
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(348)

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<223> n = A,T,C or G

<400> 572

ggccncctgt anaaggaatg aaaaaacaca caccancccc ttttaggcac ctgcnaaaat 60
gactaacatc caaaggcata gaaattgaca gcnaataacnc aataaaacag gaactcccag 120
atcgaatgcc cacgtggaaa agtcatngag agagaaaactg actcaaagca tccgctgtgt 180
tccggggcca tttgnnggg caggtgggg gttaccgagg agtgtntgg ggccatgagc 240
acgggcngc gggtgatcct cacctccaa ctggggtgcc ttcaaaaact ttagtaaacc 300
tccctgtgac tnccgttcct cgngaacacn gtggntgcgg gaggattc 348

<210> 573

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(360)

<223> n = A,T,C or G

<400> 573

ttcttcgtag actctggaat ggagctggaa gctgtcatcc tcagcacact aacgcaggaa 60
cagaaaaacca agcaactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120
ggacatatatga aggggaacaa cacactctgg ggcctgttag gtgcaggggag agcatcaaga 180
agaacagctg gtgggtgctg ggcttaatac ctgggtgatg gttgatctt gtgcggcaaa 240
ccaccatggc acacatttac ctatgtacn aacttgaca tcctgcacat tgtacccng 300
gactttaaaa ataaaaagttg gncaaaaaga aaaccttaac ttactttaa aaaaaaaaggt 360

<210> 574

<211> 314

<212> DNA

<213> Homo sapiens

<400> 574

ggtgagaaggc actacaggac aaaaatgagc tccctttttc cagtctcagc ccaggaggaa 60
tcttcacaga gaaagcaagc ccagcccatc cccacagctg gtcctcggt gcccattctg 120
aaaggctgga cccatcctga cctgtccctg ccccaaggac tgcctggta gggatggctt 180
accaacactg tgactcagtc cttccaacat gcccaacagg tcaattctgg gatattcctt 240
acaggaattt atgagagcac attgccgta atgttggcat taataaaata acatttaaat 300
ttaaaaattt cttt 314

<210> 575

<211> 363

<212> DNA

<213> Homo sapiens

<400> 575

ctccccatta tggctccgca accaggtggc gctaaagaga gaccctggaa ggatgcggga 60
ggaagcggag acctgctgtg tgcttgcgtg ggcctaagc ttggcagttg gaccctcagt 120
cgccccctgt ctcccgctgt gtgtcacccc gtacttccag aaccagcctc atcttgcccc 180
tcagaggtac ctgctccagc ctggtgacac tccctccgaa caagttctaa tctcaccctc 240
ccatttgacc cccaaagcccc aggggtacag gcttcctgat accttaaggg cctccctttc 300
tgcctttctg gttttggta accagcaaaac agttatttct attaaattct ctccatcatt 360
gtg 363

<210> 576

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<222> (1) ... (278)
<223> n = A,T,C or G

<400> 576
gcttgatgca gggcagcagg gcgatcttgg aagctccata ttgaagatgg tggagccaca 60
gtttgaaagg agtctgggtt ggaggagac tacaggcgga tcaggaacac ccatcttgg 120
tttgacctga gtgaaaaata aactgcaatc attatgttaa aacacttgca tatttgggg 180
gatTTTTgt ttatcttgg aaaatgcnc  ttaacctcta ttgtcataat aaaaatcctt 240
aaagtgggt ctAAAATAA acgcaattt gaaaattc 278

<210> 577
<211> 85
<212> DNA
<213> Homo sapiens

<400> 577
aaacaccaac cattgagggtt gagaccattt ccagaggaag aagcatgggg ccatcattt 60
ttaaaattt  tgaaatgttt tgcgt 85

<210> 578
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (320)
<223> n = A,T,C or G

<400> 578
ttcttcatct gctgactatg aaacgattct agattgtttg ccaactaaat gtgatgctt 60
cccaatcaac tacggcaggc cagatggcac ttccacttct acgggctccc tctgtgg 120
gtAAACGTGC agagaagact ggaacactgt ctccaggag cctaggttac actgatccca 180
gcacagcact tcctaccaag taaagatcaa tttaaaaat gaatgaagtc aactgaaaaa 240
gtccccatg gccaaggctg gaacaattt agcaaagaat aaaggtatgn tnngntnta 300
nccccagaaga caaaaataat 320

<210> 579
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (652)
<223> n = A,T,C or G

<400> 579
aatagaggaa agccttcctt ccggaaaaga gccccttcc ttcttgngc cncaagccng 60
ngaacaactt ccctaatttctt ngcccatccc cttaagcca atngcttaat ccaacttcaa 120
agcctttctt tcccaacaaa acaattcccc ctngcttca aagccaaac ttaactgggg 180
tttttgtgg ggggccaaca accaagaaaa gngtggcccc caaaagcccc ccctngttgg 240
cgaaagnaaa aaagggggttc ctggggccaa gccccaaaag ttggccctttt ttggaccaat 300
tggccccaag tnngttcccc ctggggaaat ggggggaagg aataaccccc aaacccacca 360
aatttcccaac ccccccaagn gggaaagggt tgggggttac caaaattttaa cccaaacccct 420
tgggggggaa ggaaccttgg gggggggaaat tggaaaaccc ggggttttc ctcccccctt 480
tttccccng ggnaaaggcc ntttttccc cnnggnaaaa nttggggggc caatttgggt 540
tnngggggcn ttttttttc ccccttgggn gggggaaang gggaaaaaaa cccttggggg 600
ggggggggaaa aagnaaaaaa cccccaang gggggggggg aaggaggatt gg 652

<210> 580
<211> 314
<212> DNA

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<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(314)
<223> n = A,T,C or G

<400> 580
ggcaaggctg tgcttaatc atttcgtaa cccaagtgt gatcagcgaa ccaaatacac 60
acagaaatac cttgcgcctt gggtgcttt ctgtgctaga atcactccag acttcaatca 120
tcagcctgt acaagccact cccaaggctg ggacttaatc gccagcagaa agcacgtcca 180
cacgtcctct gttacctctt ctatgtcta aggaatgtga ctccaagaag attcaaata 240
caggatccca cagcgttctg ccattatctt attcaacaaa agtctttgg tttnacaaan 300
acccattcat attt 314

<210> 581
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 581
actgagaaac cgangctcaa aaaggctgag gaatttgctt aagatcacac agagaaacgg 60
gaagctgtt gggccatgct gttggggca gagcctacgt atgcactgcc tccagtgtgc 120
atggggagaa agcaacccac atcgactgct gcaatgagac agctgcttt cctgtgttt 180
ggcaccgaat catctcatca gccccactgt gcaagtttc tcctctccat ctcaaagatg 240
tgggcaccga gcctcccattt gaataagtaa tttccctggg gtcacacaac ttanctaagn 300
ggcagccctt nggatccaaa ttgtaaag 328

<210> 582
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G

<400> 582
ggtaaaacac cctcaaggat gggcaactgca caagactgt acaacaagg acgtggctt 60
gcattccccc agcaacaaag tctaccacgg atcccacccc actctgattt cggctcagcc 120
gagaacttga aataacggc ccactgcctc tgctccacga ggatccatgc catcatggca 180
cttgggagg cctgtcacga gttacacagg cctaggctgc ccacacccca gctcagcaga 240
aaaaagagaac tgcaatccaa gtcagacaga tcctgcctgg gcnttccgc aaaaagcctg 300
gagagtctga ccagcaaaga aaca 324

<210> 583
<211> 238
<212> DNA
<213> Homo sapiens

<400> 583
gttctgtttt aaaattcttc cagtgtccag ttgcaatgg gattaaaagg aaaacgatga 60
ggaaaaaggat atctgaggta aatctgcaat ggaatatgtt cctttccctgc ctgcttagat 120
gtcttctgtat agtcacgaat tgattttag tcatacttct gtaatatcta tatgcatgtg 180
aagcactgtc tgatgtaaa atataaacat catctatagt aataaactga gacactgc 238

<210> 584

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<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 584
gaactagaga gtgggttaca caatccctag cagtaactgac cctgcttggtt ggacttaacc 60
ctgaagtca aggtaatgtt atttaggaaa agtatctctg caatacacat actcttttag 120
tacaggtagt aggagctagt taggcttaga gcagtcctac ctcttagcca tcagtagcacc 180
aaccagaac catcttacc ataggaagag gaaagaaaga gccaaagang naagcctagt 240
ctagagtcta gagtaggatt aatntaccaa gccatagggg attttattcc tagtagccac 300
caagtttcc tccaaaaagg aaatccaagt tttagngtngn ggaaaaggaa atttcaaatt 360
tttnggctta ttttgcucca ttttgtaaat tccaaaccacc tttttcccc aattttaatt 420
ctccaat 427

<210> 585
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 585
gtgggatgcc tccatgagct ccaacaggca gcctcgccgg cctcccagct ctgctcagtt 60
gctcagcacc ccattggagaa ggtgaagccc ataatgaaca cactgcctg gccacttact 120
tcctccaacc aaagaagccc tcattctcccg ggcttagacc atttccggag accagcttgt 180
gacagagcca caaccctccgg tcactctgtc agctatctgc agttccctt tttcccttc 240
ctctctccccc tcataaacaa tgactgtga ttttccact agctacagat gctgatgcca 300
agatttagct tggtaaagat gatattctcc atcctccaaa acaatgacca aaatgtttt 360
tttatggct aggaacttta ctttcttca tatgaaatat ttaatgnatt tttcactgng 420
ctcattttg nttagngnggg ggataggtaa tagaaaaac 459

<210> 586
<211> 433
<212> DNA
<213> Homo sapiens

<400> 586
gagatgggaa aacgaatcca gaggttaatg atatgtccac cataactcaa ctatcaagat 60
cctcaagtca gtgcttttc cttcatgtcc tcaggagttc tccagggaca ctgtaaagat 120
gagaaggagg ttgcacggc tgaatgtttg tgtccttcca aaattcacat gttAACACTG 180
aatcctcaat gtgatagtgt taagagggtgg ggcgcgtggg aagggatttag atcatgagga 240
cagagcccta atgactggga ttgttacccct tataaatgag gccccagaga gctgtccctt 300
ccaccatgtg aggattcagt gagaagggtgc tgctgatgaa ccagaaagca ggcctcatc 360
agagaaagga ttggccagca ccctgatctt ggactttcca gcctccagaa ccatagtaaa 420
tatacttctg ttg 433

<210> 587
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

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<400> 587
 ggtctctctn tggtccccag gctggagtgc agtgggtcga tcatggctca ctacagcctc 60
 gacccctcgg ttcaagtat tctcccgcct cagcctccca agtagctggg acttcaggca 120
 cacaccacca tgcctggcta atttctgcat ttttataga tacagggttt tgccgtgtt 180
 cagactgatc tcaactcctg aactcaagcg atcccttgc ctcagcctcc caaaccgctg 240
 ggattacagg catgaaccac tgagcccagc tgcccttac ac ttctactg tgcat tagaa 300
 tcacccaaag agcttgttaa gacagattcc caggtgcac tcttgaggc ctactggctt 360
 agtagctctg ggctgaggcc tgagaatatg cattcctaag aaacctcagg tgaggctgat 420
 gctgctgtgt gtggactgct angctangac angggttnt ttttcttaaaa aaaangggtt 480
 aaattttttt accncaantt tnttataaggg tatttttaaaa aggga 525

<210> 588
 <211> 524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

<400> 588
 atgtaattaa ggatcttgcg atgagatcat cctggatgac ccaggtgggc cctaaatcca 60
 atgagaagtg cccctataag agaaagacga ggagaagaca cagacgcaga gaaggcgacg 120
 taaaaatgga ggtggacatt gaagtgcacg agtcacaaac caaggaatac ctggagccac 180
 tggaaagctga aagatgcaag gaaggattct ctccttgc ctttggagag aatccggctc 240
 tggcgacacc ttgatatcg gctgctggct tccaaaacat gagagcatat atttctgtt 300
 ttttccccc ccaagttgtt agggattgtt tacagctgcc ccaggaacat aatacatgat 360
 tgaagaccag ctttaatgt acaaacccta gtacaaggca ctgcaaacct cagagatctt 420
 cacacaaaaa ngnnatttta accnctttaa aagnnnaaaa atctttttc ccncccnnn 480
 aaagggnnn nccnaggnc cttgagggtt tataatataa gagg 524

<210> 589
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(551)
 <223> n = A,T,C or G

<400> 589
 atgcctggtc atcctcaacc tggggacac gccttcattc actggagaag cagcagcagg 60
 gcttgcctcg agtccaggaa agcaagaaaa cagatctgat cccctgtgg agtgtggagt 120
 aggggactg cccttgcatttgg tgggagtgaa accaacttgt ttgcagataa gattgccag 180
 acaaattccaa tggggaaaag aagtcttcc aaacatgctg ctggacaac tggatctcta 240
 catgcaaaaag aatgaacttg aactactatt tcacactata taaaacaat tatcaattat 300
 ttgtgactg aaggcaatta agaagcagca aatggaaaaa gctctcgctg ttttccctt 360
 ttctgcctca aggnaggata taaattctcg ttactggac acaactctag actctattca 420
 ccccnagaaa gcacccnaaa aatatntna cnaacgctt tttttttt tccccccccca 480
 ataangttt tcccccantg gttcccccc nnnaaggaaa agggcttcct ttggccnnngc 540
 attttttta a 551

<210> 590
 <211> 500
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 590
 gtgaaattca tcttagcttn tgggattggc tcctactcaa catgcaagca ctaatcctct 60
 aacatgcaga gacagagtct cactctgtt ccaggcttga gtgcaataat gccatctcg 120
 ctcgcccaa cctccacctc ccgggttcca gtggtttcc tgcacancc tcccaagtag 180
 ctgggactac aggcacgtgc caccacgccc agctaatttt tgtattttt ggggggacag 240
 agtttacca tggccaa gatggtctt atctcttgac cttngatcc gcccacctca 300
 gttcccaa gngntggat tacaggcatg agccactgct cccagccat acataagaat 360
 tttaagtcnc nncatgcctc ctttanta 3aaacctnt tagaaaaaga gaatcagatt 420
 tttcggtgg agtgcttaca atggatgaat ctttttagca tcattatctc attttaattt 480
 gcaagccat tttaagaaa 500

<210> 591
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(526)
 <223> n = A,T,C or G

<400> 591
 gaagtcaag attggaagca ccattgtttt cttcaggatg gagggggctt cctgacaagg 60
 actgtggggg acctcttagga gctgagagca gcccccacct gagaaccagc aaaaaatag 120
 agaataagcc tggaaagcaac ttttcccca aagcctccag acaagacctc agcctgacca 180
 acgccttgcac ttcaagttgg tgatatcctg ggcagagaac tgagccatgg cttgtcatgc 240
 cagcattctg acctacacaa ctgtgagcca gtaaacaggt gaaccagtgc ttgatttagct 300
 acgtttcctg tttctgcatt ggtgatcatg gaaacaaatg ctgagaagga gcctctgctg 360
 cctgggtacc gtgaatgacc acggtaaca agagggctca gtaaggaacc ctgcngactg 420
 gtttaacta ctgtagnggg ggnngacaat ctntttttt aaaaangggg gacntttggg 480
 gaaaaaaaaan ttccccntt ggggntgga aaaaaaacc acccag 526

<210> 592
 <211> 521
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = A,T,C or G

<400> 592
 tggcatttgc aatgaaatat agatgactc atccaatgag aatttgaatg ctggcgtaaa 60
 accatagaga aaatccaggt tcaataaaaa ggctaataat tcacagaaat atccctggat 120
 caaagagaag accctgtggc ctcattggac attagtaggt gccttggaaag aagcagaggc 180
 aggagacaca aaggacttca agtgatttga acaagaactg tagaagacat acctaagcac 240
 aggagagggg aaagagagcg ttcaatttgc ttgaaatga gtattttaaa accagcctca 300
 ctcagggtgg ccccttgcag tcctctgctg agtcaactct ctgcttggca gcctcttgc 360
 catagctgac tcagggcaga aaggtgatttgc attgcctttaa gagccttccc ctgacctctc 420
 actcggnntnt tctttttcc cccacctnt ttcanaaagncc cccnttaaaa cccaaagggtt 480
 ttccaaaag gccttttttgc ntttgc aaaaaaccat 521

<210> 593
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 593
 ggagaagacg ggggtgaatg aaggccccag aatctccagg gaagctctgc tctccacctn 60
 tgccctgtccc cagaccggcgt gtggaatcag tgctcccagg ttcttctggtaataacaaca 120
 gagcaaatcc ctgaaggctg ccgctaaaag gcagaaacca ttactttcca actatctgat 180
 acggnttggc tgtgtccccatccatct atcttgaatt gtaactcccg tgattccac 240
 cccccccccca aaatctggcc attaaactgg ccccaaaact ggccataaaaa aaaactctct 300
 gcagcactgt gacatgttca tgatggcatg acgccccatgc tggaagggttgggtgtacc 360
 ggaatgaggg caaggaacac caagcccacc ca 392

<210> 594
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

<400> 594
 gtttttcaga ctccctgaca tggcaactgg ctccaaagag agcggaaaatg gaagttgcc 60
 gcgttcttaa gacgttgatg ttttcaagt tcattttgaa attcccttct ctttctttat 120
 tcaaagaagat caacacacag ctaatcatca ccacaaagag tactgcaatc aatataagaa 180
 taccttaccct ccctggtaca agccaaggct ggcttcccgaaatccctcan ggtttgc 240
 cctttgtgcc tgtgccccac ttcccttctg aggtgtggtc ttggactgaa agggcgtgac 300
 ctctttggat ccactttgga aatcctccag cttcttgcaa ttggtttat taaaanacca 360
 ttntgcnttc ttgggnaaaaa ttaatggcc ttctcttntt tgaactttgg aaattcttn 420
 attgaaaaaaaaaaaaanccnnnggg ttttttggg 460

<210> 595
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 595
 gatctataacc tggaaataaca tataacctagg aataactgct cagtcacatg ttaacaagcc 60
 ttttccaccc tcttggacat ctctgaccaa gccgtttac caggcttacc atgatgaata 120
 agcaaaggca tcacagaaaag gggaaattaa cagttccatc ttcaagggc atgtgtgtgt 180
 gttagtgccc atgcagatac acatgtgcta caagatgaag tagaagaata attctcacat 240
 gaaggcaaat cagggatgaa aagaagctac ctctacacaa caaggtgaaa atctaagggc 300
 ctcgagtaat gtgccccctc ccaaagcatt attattctaa gggcagaact gaactattag 360
 gattacattt tcaatccaaa atttgnattt aaatgnaatg ggnattttaa aaaaatgaatt 420
 aangggcccg gaaaangggt nggtttcaca aaacattaaa tcactt 466

<210> 596
 <211> 347
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(347)
 <223> n = A,T,C or G

<400> 596
 gaaaggagaaa ctacttggat tccttgagtg tctgaagttc atcatgccac atttcccagt 60
 gtaaaatttt ttgaggaggt gtctccatgc ttggcatgaa aaccagggga ggaaaataca 120
 agatgcccta ctgtgnacag tgaagtgggg ttttggaa tggctccag agaacggcgt 180

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ctggggccccc acaatctccc catgtgcac agactctctc tgactcctgt gatctggccc 240
tggctgtcct ggaatactac cctctactcc aacagaattt ttaattgttc cacagtgtat 300
ttatgtacat tgttatctga gcctctgagt aaagcaaaac aggcatg 347

<210> 597
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 597
gtgctgcctg tggttggagg caaaatcctg gattcctca atggcttgg a gttggagggc 60
tggccctgtg gttgtgattt naacccaagt gctagtagaa ttgagcactt agtttctgg 120
ttatgttatac aaaccgaaat tcggattggc ctcccttaggt ccctatattt gacaatggcc 180
acactgtgtgc gccaggaaca gacactggaa atatcagtgc ctcccttcac tctccaatcc 240
actagcatac aagctccatg gggccagggg ttttatctg ttttgtcac tgctgtgtct 300
tcaagtgtct ataacattgc ctgacatcgt aaatgctcaa taaatcttc atgactgaat 360
gactcc 366

<210> 598
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 598
ttgaatacaa ggatgtggtc aactatactg ttcttaccgt tgaaaaaagag gtgctgagggc 60
caggcatggg ggctcacacc t gtaatccca gcactttggg atgcccgggc agctggatca 120
cttgggtca agagttcaag accagattgg ggcacatgat gaaaccccgt ctctactaca 180
aatacgaaaaa ttggccattt gggcaca cgcctgtat cccagctact caggaggctg 240
atgtgggaga actgaaccct ggaggtggag attcagtga gccaagatgg cgctactgtg 300
ctccagcctg ggcaacaaaag caacactatg ttttaataaa ataaataagt gctgagatct 360
caagaaaata caatgcctag cttcagaata ccatatatta tatattcata tggntataaa 420
ngnatccnc cttggttnt ntgcttaan gaanngactt tcntttata gtgatgccag 480
gcnctgctc aagaattta tgtatcctaa cttattaaat ctccctca 527

<210> 599
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

<400> 599
aaaattctgg ttctcaatga caccagcatc attactgatt tgctttctac tcacacacaa 60
atagcctcca aataagaatg ccaacactat cacaaaaaag gaaaaattat cttcgttcc 120
ccaaaggcctg cagcttgat aagaaggcag gagttttgg aggagagcgt cgtgtcggtc 180
tgtctgtaga ccctgagaca ctgatttaca gcaagactca cggtgacaag aatataaaca 240
tctcttcaat tcatttgatg aggaagaaaa gcttgataa agaaaacttga caagaacttt 300
acaaggaaaga aaaattacca acaatttctc ctatcaatgt agatgaaaaa ttctaaacaa 360
aatgtgagca aaatgaattt cattttatgt taatagggat tattcctntg atgaaatcca 420
ggtttttta cantnnncng anatngggtt ggnttttcc aaaattcatt gaanttttgt 480

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ncctttgt a gacaccta a tttttaaaa aaccccccng tttccaccca acttgggaaa 540
 agct 544

<210> 600
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 600
 agtcttgctc tgacgttgc ctggagtgca gtggcgcgat cttggctcac cgcaacattc 60
 tgactccctg gttcaagttag attcttcctgc ctnagcccccc cgagtaagct gggattacag 120
 tcatgcgccca ccacgcccag ttaatttttta gtagagacag cgtttcacca cgttggccag 180
 gacagtctcn atcncctgac ctcatgatnc acccacctca gtctcccaa gngctggat 240
 tacaggcggtt agccacgtgc ccaagctaa agntttctaa tatatgccaa aggaaaagtn 300
 cnaaaaactaa tcactnttaa agacaatacn cgatnatatt ttcatgntta taatantacc 360
 ttataatct acaatngttt ttntggaaaa atttgg 396

<210> 601
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 601
 ctgtgttagta ttcaatttttta tggatgtacc ataatttact tatccagtcc cctgttaatg 60
 gacatttggga ttgttatga tattctgctc tcgcaagact tcagtgaaca tccctgaata 120
 tggatggcca tttcaagcat gggcgagttt ataccaagga gttgaattgc tgcgtctgag 180
 ggcatgtgtt tttggagatg atacagactg cccctccacag acaggaaacc aattttca 240
 cccggcaata atgtctagaa cgtgagccat tcgtgtgatg accgaggtta ctgtatattt 300
 gagcattcaa tgtatgttgc cactgtgcat cccctcgta tgaccctgga aatcaaattt 360
 aaaatcccac ttt 373

<210> 602
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 602
 gttttccact ctgcttcaag cctttccag atgcaggagt ctaacagagt ccacataaac 60
 aagaaaaccaa aacaaaacgg cacaaggctg aaagcttcc ctttgtata caaccactt 120
 atgtgcagag aggcgctcac atgatgctgc caacatgtgt tttctgtctc agattttcc 180
 tgataacaaa ggacatattt tagaaggcgt ggccttaggt gcatttggcc agcaggaatc 240
 cgagtggagt ttggggattt catttgggtt tagctgatc ccctcgggtg cccagtgcta 300
 cagcccttga tgatgttaaa ccccaattaa taaagttgtt aggaacactt tg 352

<210> 603
 <211> 352
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(352)
 <223> n = A,T,C or G

<400> 603
 gtctgtttcc tggttaccca aattccaggc actggcccca ggcccaccac aacgcattcc 60
 tcaaagtctc ttggcagag gaaaaggatt tctccttgct gcggcaagtc agagccagaa 120
 tctcgggttc tctgctcca aagcccccac tacaccctca ttcgcgtgtg attcatgcgt 180

tttaggtgggtt ctgctcagcg tcgtttttg agttgggggg cggtgagtaa gcacaatnta 240
 agtttccttc atttctttc tcctgtttg agctaaggaa ttacttctt gtaccaaaca 300
 ttacaccctt ggaaaacact ccagatggtt ctcattaaaa ttccaattcc tt 352

<210> 604
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 604
 gggtttgagt gcctgcactt ggtgctggc acggctgagc catcccagac gccaggagt 60
 ttacagtcta gtccagtcag tgacgaggtt aaaacgaatt ctgcgtcat tgctactgct 120
 aatgcaccgg gacaggatca gcccctcaaa ttctcccacg tggccctgc aggtcttctc 180
 caag 184

<210> 605
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 605
 gcaacagaaa caatcttgtt ccaaccagca aaagagggat ttggagaaaag aaaatgaagc 60
 agcttatgga acagaagaat gcagatgtga cggtttagat accagctgct atattggact 120
 atgaagacaa gggtcacccc tctggatcg acagtgtgga gttagaagaa gcctcagctc 180
 cctgaggatt ttgtggagta catccatacc agccataca ggctgactgc agacattaat 240
 ttatgtcat gcccctggaa gctgagccca gttcaaatgg ctgctatctt tctatctact 300
 gtgttagagaa tactggaggg acaagagtga aaataggat aatctctatt tcatacataa 360
 gaacccttga ancctgaaaa agttaaatga agtncattag gattgggggt aaaagtactg 420
 gcttaaagt taagtaaacc ttgtctc 447

<210> 606
 <211> 636
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 606
 gaaaactcctg cccgaacttg ggtgaaaggc accggaagat gccttcgggg aaaaatggcg 60
 cgctgctacc gcaccgcctt tgcctggAAC acaggcagct tccagctatc gatTTTATTG 120
 accggagcgc catggccgct tcctaaccctc tttgcctca agtgtaatgg cgctgcgatt 180
 gggcttcacg ccgtctttt tcccctcccc aatacgcgcg ttcattggac gagagccgaa 240
 gatcgagcgt tctgattggg tgctagcaaa ggcggtccgt ttgaacaag ccaagagctg 300
 cataaggggca ggaagctgga ctgcttaggat caggcgcacta caaggagttg tgaagcgact 360
 tgcaccgacc tggggcagc aagaggcccc gggctgtt tccgctgttc gactctggca 420
 ggctcagcca atcaattgaa ggagggAAC gatttggcgc atggagccac tctggccgag 480
 ttagagctga gattatcctg agttcccttt actgggtgttc tcagagcata cttgactttg 540
 gagaatgggt atcttcttg tttgcctta nggagggaa ttatggtag cattttctgg 600
 gggcangcgc catgcccagc atattacata tttcat 636

<210> 607
 <211> 473
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 607
gtggggtctt tcaactttt gcccaagatg atgaaagttt ccaagaacca acagaaatat 60
ctggaaaccc attttcagac atgtcctgaa cactgaatta taactaaaac aaaaccttg 120
tgatttcaag gtcatggaa cagtggact gaccccactc tgtccagctc caaaggccat 180
gctctttca ggacatgcct tcactagatg atctcttcag cccccctccg actctgatt 240
tgagtccctc ggaattgtct cgatgtca aggcttacct cactctcata agctcagcct 300
gtttttgtt tatcgtagcg tggccttct ttacattcca actgcagacc tggtgtcat 360
tctccctgtg acatagatt tgatgtccac tgggttctag ttatgtctat ataagtacaa 420
acagnccat ttctttttt ccgatccatc tcccttatct taataaaaag gtg 473

<210> 608
<211> 176
<212> DNA
<213> Homo sapiens

<400> 608
acacccatga ggtataaaaca ctgttgcag agaaaacagt gaaaaatgagg aggctgccct 60
tgtcttagag aacctatcag gaaatgcctt cctgaataga aagtatccctt atccattgtt 120
cagcgtccaa tttccccctt gttccctgtt taataacaat agcaaaccctt aatttc 176

<210> 609
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 609
gttttatgat accacaaaga gatcatctt gttctcctca cctcaagaac agatgggtag 60
caggggtggg ggctccatga ctcactacct cctcacgccc gcaaagactg tctaagcagc 120
aggcaactt ctggatcaa tagggttcat ggcaacgcag tgtctgccag caaaccttg 180
aggaggccat tagtcaactg gtgacctgccc accctgacca ctgcagccct ctgatgcaga 240
ttctcagaaa ggttagctgg tgctggaaa cttaaaaggt catggntatc tcggagtcaa 300
aactccacag aaccagagtg aagagtactg cagaggagct acaaagttag aggtaaaggc 360
cacattggag gccaaagtca ccacctgata gctgtgtgac caagaanagc taagcagaag 420
aactgcgatg tgcacatgc aatagaanan gccaaccac tggaaatggc tgccttcaa 480
gaacactgaa ataaatgacc tctaaatggta tgacaataat ggcattgaggt cagatgtcca 540
actgagatcc agaaggcaggt cccaaagtcaa taactttc 578

<210> 610
<211> 494
<212> DNA
<213> Homo sapiens

<400> 610
gctggagtgc agtggcgaa tctcggtca ccgcaagctc cgcctcaccc caagctccgc 60
ctcaccgcaa gctccgcctc cctgcaagct ccgcctcacc gcaagctccg cctcccggt 120
tcacgcatt ctgctgcctc agttcccg atagctggga ctacagggtgc cgcaccac 180
gccccgctaa cttttgtatt ttttagtagag acgagggttc accttggtag ccaggaagg 240
cttgatttcc tgacccgtg atccgcctgc ctccgcctcc caaatgtgtg ggataaaaggc 300
aaatgttttta accaaaagga gtaactctgt aagggttcca tggagacac tgggttatct 360
tgttaggtggaa aaaaacttttca cgatatgaga agaataagct gcaattctt cttctttca 420
cattaccaaa gatacatggt ttctcttta ttttaataag tcttattttta ataataaaaat 480
tgtaattgca agcc 494

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<210> 611
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 611
ggcaaaatct tttcccttg aagactggaa atattatcca tgggtgcctc cgaaatattt 60
tcaatgact gtgcctgcc agctctagct ttgaagggt ctacactcat catcaacaga 120
ttctgggggt tcatgcacag atttcttacc tggtatatt gtgtatgct gagctttgga 180
gttcactga tttcatcacc cagcaaccag cccaggaagc cagccatta tccagaggaa 240
ccaaccaagg aagccagcct gctcttaga agctagactt gtaggaagcc agaccactgt 300
ctctagcaac tgatccagga agacagaaaa gaacaccta ataacaggac caaatggcc 360
aggacttgac tggatgaagt aactgacagc ttccctaatt ttggnccta cttccaacag 420
aagaacaacc agagaaaagcc aagtatg 447

<210> 612
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 612
atggagtctt cctctgtcat ccaggctgga ttgcagtggc aggatctcggtt cttactacaa 60
cctccgcctc ccgagttcga gtgattctcc tgccctcagtc tctggagtag ctggaaatac 120
aggcacccac cttcgtgccc agctaatttt ttgtttgtat tttttagag accgggtttc 180
accatgttgg ccactctggt cttgaactcc tgacccctcagg tgatccgcaccctgcct 240
cccaaagtgc tggatgaca ggcttcagcc accgtgccccca gccaagatca aattgttgg 300
ggcaggggctg cactccctgc aaaggctgtt ggagacaacc catcttgct tcttccagct 360
tctaggggtc tccgcagcat gccttggcgt gccttggcgtt gtggctgcat tactccaatc 420
tctggctgtt tggcaaatta cctcctcctg gtccatctat ctccctgtgt gtcacttata 480
aggacagtta tcattggatt taatgcctc ctgatgacc cangatgatc tcatactcaag 540
atcctaact taaagtacac cacaaaagtc cttttgcca aatgaaataa cactcaccat 600
ttccgangat aaagacttgg atacatctt tggangnca ccattcaaca cactacacta 660
ataaaat 668

<210> 613
<211> 270
<212> DNA
<213> Homo sapiens

<400> 613
gcaagaatga tcatgctatt atattcaccc agtctaaaag ttattgcaaa cgaaaggata 60
gcctcaccat cattccaga gatactactc agcaaaacag cccttactga gaatgagaat 120
caacccctgg aaatctccaa aaggacagac tcctaaagct gccaacaggg attcaccaag 180
aacatcaactg cagatctctg cagtcgggtt catcaaataat tcaacaaagc acggcttca 240
aaatcaaata aaaaagcttt gttacagct 270

<210> 614
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1)...(193)
 <223> n = A,T,C or G

 <400> 614
 gcaatggatg ctgcttctcc tcaagaaaca gcacatgcac agaaacaaaa catcccagag 60
 gtttcactcc ctcaggacca gcnnagacca cagactaaaa ttntaacctg gacnaaaaga 120
 ggattcacca atgcaattt tgagaactaa agtcttnaaa aattaaattt tacagaagac 180
 tacagagcat ctt 193

 <210> 615
 <211> 599
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(599)
 <223> n = A,T,C or G

 <400> 615
 tctggggcct cctgcattaa gtcanaact gaagggtcgc tggggcgaaa aacaaagggn 60
 ggactctnaa cttttggct tggaaagggg gaaccctcg 99ctgggnna ccaaagcttg 120
 cnnganttn gttgacctga ggcncaggaa tggggcttng ggctcccaa agttcttcct 180
 ggctggaaat cattggctgg ccaaggctct gcgtcccatt cctggccctt cttccctgca 240
 ngctcctcg acttgcattt ttctcctgac gctgtcaagc tgtactccaa aaatgttctt 300
 gctggcaaaa gttggcgatt aagctctgg atgcaaaaga aaccgtccct tgcatgctcc 360
 cggcccttctt ccaaagctcg tccctttcca gaagaaactc gaggaaccct caagtgctca 420
 agaagaagct ccggtgacga aggcaactgag cccgatccca ctgtcctcaa gacttcaaga 480
 aggggggaaa acgaaagcat tcttcgtcac cgggaatca ctggcttgc ttccaaaatt 540
 attttggccg gttcacctt ttactggac tctgtaaaaa ataaaaagat gtgaattgg 599

 <210> 616
 <211> 660
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n = A,T,C or G

 <400> 616
 gctgccagga agcatgctgg ggaggcctca ngaaacttac aatcatggtg gaagatgaag 60
 aggaagcaag cacgtcttac catggcagag aaggagaga gcacgaagga ggaagcacta 120
 cacatttga aacaaccaga tgcggataa acagaaacca acactttga aagacttgct 180
 ctgctccgaa tatccaccag cctcctgata cccaccctcc attctgcagt ttaacacag 240
 caccagacca gcattccctt ttgataagag accactggcc atggatggt tctgttgcgt 300
 ctgcagagct gcacacagag ggtcnctcg 99ccctgcattt accttttgc gtataggccc 360
 taactgtAAC acatttaaag gtttctccct tcggatcaca aagggaacat gggacgtgt 420
 taacatacat gctggcttac tatgcatgtg cccatctccc tcttgtaat attcatagct 480
 cctcctatacg cctgctgaat aggtacactt aaccCACCC ttcagcacaa attcctgtct 540
 cgtaaacctcc tcctaaaagg attgctttc tggtaactg gangctccac ttctgggtt 600
 aaggcnggn acccttctt taaaaaaaaa ccctncnttc tnaaattata gaatttggg 660

 <210> 617
 <211> 394
 <212> DNA
 <213> Homo sapiens

 <400> 617
 tttccaagc ttcacatcaa ttccgtacaa gggtagacagc cagagggcag acagtcacag 60
 accatagct ctgactgctg gagtcactg aggtaccgct cagcctgctt ggttgcattc 120

tccgcatggc gagtcagctc tgagatctga aggtcagcat gcttacgctc ggcctcacat 180
 gtgtcaaagt gattctggat ctccttaagt cgatccaaca tctgcagttg ctgttttcc 240
 ccattctcca gttcacgtgt taaattctac gaataaagca tgcaaaaacat caggaacaaa 300
 tccttgtcaa aattggatgt gtagcatatc atcaaacaag aatctcta at gtcactgaag 360
 tgaaaatcat ctgtattaaa attcattagc aatc 394

<210> 618
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(312)
 <223> n = A,T,C or G

<400> 618
 antganattn anggggnnaa aantttgnnt nagggcttaa gtgacaatga ccctaattt 60
 tctgagttact atccangggg attcacacag ngnagnagctt caccttcctt tcacngtgac 120
 agccttcaaa attgtctnct ttcccaatt cctacaagca acacccacaa ctcccgtggc 180
 ataaaaaaa atgggagcag nggtgcacat ctgtaagtn cagcctactc acgaanttga 240
 ggcncnggagg atttctggtg cccanaagtt canttgaagg nctgcctgcc aatatangaa 300
 gactctatcc tc 312

<210> 619
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 619
 atggagacgg tgtctccgt cagggcaaag acttggtgct tttgggtgca tataccttat 60
 aaaagatttgg gtttccaaa gatcagaatt cttgactgt gaaacaaact cactgtgtgt 120
 ccagcatcca cctgagttt ctctgcacca ctccaatgtg actgaggagt caaaggaaac 180
 tggtgtgaac atgaagctca tgctacctgc tggccatga gtagcaaagt tctttgtgtc 240
 tgatcctgga gtcctgtgtc ttctgcagaa tctgtgaat ttagccagc taacctgtta 300
 gcttgttaaga tgataaaaatc tcagatcctt cacaattctc tatgatatgg tgatttactt 360
 cttgactaca gagatgaaaa atataagaaa ttgtgactaa cactg 405

<210> 620
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 620
 atggagtctc gctctgtccc caggctggag tgcagtggcc cgatctcgcc tcacagcaac 60
 ctctgcctcc cgggttcaag agacgctcct gcctgtgcct tctgagtagc tggaaattaca 120
 gcttgttgc gttcttacaa cttattattt agcccttaag tctatcttgc ctggacatgt 180
 agcagaaaaac aactttacga cttactaaag tatgaggaag acggcgtctc actttgtggc 240
 ccaggctgga gtattatgta tataataata ttatacatta ttccactttg accttagtca 300
 atgaagagcg agattaggag tgtc 324

<210> 621
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 621
 gaacaagctg gcaccacctc agaaacacac aggaagacag cggggcccta tctgccacgt 60
 agcaggagcc tgcagagaaa gaaattgacg ggaggagcag gccgcctccc atccggcctg 120
 gctgactcat tatttgcctt tctgatttca catctattca tggtggaaaa tggagaaaaaa 180
 cgattacact ccaaagagga aaatgaagcc cccggagtc tccctgagata gccactgaaa 240
 acatcttggc tcactccctt gcacccctt tgcatcataatg tttctttt cagaaattaa 300
 agaatcatat tg 312

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<210> 622
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(543)
<223> n = A,T,C or G

<400> 622
gacctgtgaa tatgttatct tacatggcca aaacgacgtt gcaggtgtgc tgaaagtcac 60
aagtctttag atggaaaat tgcctgtcat ctcctgtatg gattacatct aatccatcg 120
gtccttaaaa gagaagaatc ttcccagg agaaagatat aatatgagaa ggacttgacc 180
ctgtgtgtct ggcttcgaag gtggagaaat gtatcataa gccaatcaac gcagctgtct 240
ctagaagcgg aaactacctt cgtacagaa ccagcaggaa aacagaaacc ttggcttat 300
agctgcaaaag aacagagctc tactaaccac agcagagagc aaagaacaat tgccttagag 360
cttccagaaaa caatgcagca gatcaccaat ttcccttttag tctggccagt tgtgtataaa 420
cttctgacc tatagtatag acctgtgaga taataaatat gtgctgnntt ataccactaa 480
aaaaaaaaagg ccagccgagg ccaattcagc ttggacttaa ccaggctgaa cttgctcaaa 540
agg 543

<210> 623
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

<400> 623
tttgggaccc atttcccccc anagggnggn cccattgggg gggaaaacncc cnnggtccaa 60
nttccccnaa angggccgan gggaaaatcc aaccctncg gttnttncc ccaaaaaggg 120
gacctttaaa agggggccccc ccanaaaaact tggggggaaa atgggggggg ggaaaaaaaaan 180
taaacggttt tttgaaaaac caaatnggg aaggaggngga nccaattttt atnntttntt 240
aaaaaaatggg gaaggccctt cttaaacncc gctttnantt ngggaacaa cnnggnnggg 300
gatcaatggc ctggnnnaanc cccggggatt gttcnggat tcccttnaac caagagaanc 360
ntgncccttt ttgaacaagg nccgttgca ccttgcctt tacagtaaaa cctcccccaa 420
gtggtgcccccc ttcccaagaa tcattaaaat ggggaagncc tgaaggaanc caaaaaccca 480
agnaatggc ntctgggnna aactccctg gnggaggggg gatctnttg gacccctngg 540
aatcaacttt nttttttaaa aanggnccng gcnnaaaagg gggggttgc acaaaaangc 600
ccttgaaaaaa agnggtccca aaatcaacct ggnnttaaaa aatttcanaa aaaattacca 660
tcttggcatt tttgaactt ttttgaaaaa 690

<210> 624
<211> 404
<212> DNA
<213> Homo sapiens

<400> 624
gtctctctag cagtcgtaca cttcaataa gagacagtca catctattct ttctgaagac 60
aactacgtg aggattcatc tacgtgacaa gaaccttggc ttccacaaca acccccttac 120
cttatctcaa gctgatttca actcttcagg cagagcttaa cccttcaac caattgccaa 180
tcagggaaatc tttgaatcca cccatgactt gtaagttcc ccacttgcag ttgcccacc 240
tttctgcact gaaccaatgc atatctcaca tattgatatg tttatgtct ccctaaaaca 300
cataaaacca agctgtaacc caactaccctt gggcatgtgt gctcaaggct gtggcatgg 360
atcatgatcc ttaatcttg caaaataaac ttttaattc attg 404

<210> 625
<211> 369
<212> DNA

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<213> Homo sapiens

<400> 625

gctaattcct caaaacacta ctttcaccc attgctcctt tgctaaaaag cctacttggt 60
gcatagcaca gcatccaaca cagagaagga acacagctgg actctatttc ctgccttcc 120
tttgcaggag gatgtggcca gtgaaatgtg ggcagaaagt atgtgcacca cttccaggt 180
tggttgacag aaacctgctg ccttacataa tcattcgctc tcttctctc tctgctgtga 240
ctttagaagt ggtgaagatg gcacagccac aagatggaaa aagacaaaac tgcttgagag 300
attcacccac taggaacacc tattttgaac ttgacataat caaaaaataa cttcagttgg 360
tttaaggc 369

<210> 626

<211> 371

<212> DNA

<213> Homo sapiens

<400> 626

gacccgcgt gacctgagca cttcctgcat gaaagggct caataccaaag gaagaaaaaca 60
gatacatgca cccttctaa gcagcaaaac tggttcaaa tcctcggtca catcacttat 120
gtgagatgaa gtcccactat attgccaagg ctgacttga atccctaagc tcaagttagtg 180
ttccccaccc accctccaa gtaactgaga ctacagggtgc acaccactgt accagcataa 240
ttgcataatct tatcaatcaa tccacagccca ctaaataacct actgaggtat ctgtgtcccc 300
tgggctttt ccaagagctt tcaatatggt tagatttggt tattaaattt gcataaaat 360
gtgatatgag t 371

<210> 627

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(561)

<223> n = A,T,C or G

<400> 627

ttctaaaccc acagtatat ggaagagtaa tctgccaata gtacagaaac aaatgagaag 60
tttccgtcc tgaagtcaaa aagttcaggg agttcagcc ctgggtgggt aagggagaga 120
tttggagact tctttcctat gtatgtcct ctccgtggat tggtttgtga agctgacggc 180
catgacccca gaggggaagc tgtagagaa acgtgtcgc ccatttgtt accagacacg 240
tccactccag tttctccac agctactcca tgaggcggac agcagcagcc ccacttgct 300
gacgggaaac ctgccacacg gtcccccagca gggaaaggggc tgggctgggaa ctcagaccca 360
gagagcgact gtctgggtga tccaaagtca ggagttgctc gtctacccgt agtccaaaaa 420
ggtcgagaca agcagtccca gaagtggcaa gagaaggtt gggaaaggcag aaaaaacact 480
cctgangtga ctggtcaccc gctcactcca aaaatgttac cttaggtt aagctttaa 540
taaacaaggc taataaaatc t 561

<210> 628

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(389)

<223> n = A,T,C or G

<400> 628

gctggagtgc agtggtgcgta tcgcagctca ctgcagccctt gnccctcctgg actcaagtga 60
tcctcccacc tcagcctccc aagtagctga gacaacagat gtgtgcata gaaaccagat 120
aatttttctt ttcattttt gtagagatgg gggctccctt atgttgcctt ggcgtggctc 180
aaactcctgg cctcaagcaa tcctcccatc tctgcctccc aaagtgcgg gattacaggc 240
atgagccacc atgcccagca gagggaaatt tatttagaga gaaaagagga cattcacttg 300

gtgttttcca acagctaacc cagatgacca aaacccttcc tcagaagccc ttaacatatac 360
ctgcaacagc aaaaaaaagg tgtttatac 389

<210> 629
<211> 204
<212> DNA
<213> Homo sapiens

<400> 629
attttgagct tcttgcaagc agaaaaaaaata tcagaatcat ctgcctcaca agtgtctggc 60
acagtgcctg tcacataaaag atggcccaca aaacttcaat gacagaagag ggaaaggaaa 120
gaagtcgtac agatatctaa ctatatccaa gaaagacatg aaaattcatt gatttataaa 180
tttgcataaa aatgtaaag aaag 204

<210> 630
<211> 173
<212> DNA
<213> Homo sapiens

<400> 630
gtgcaaggag ccgcacatcc gcacaagtgc tgagaccctg cccaggacaa gcttggccgc 60
agtattccct ttggcacccc caccacctg gaacaaagcc ttagttaaag tctgggtgcg 120
actcagaccg gcctggaaa gaatttattt aataaatggt ggaaagtggc ttc 173

<210> 631
<211> 359
<212> DNA
<213> Homo sapiens

<400> 631
caacaacagg gtgcctggca caaggagata ctcagtaaaa ctctcatctg ctgtgtcatt 60
aaggggaaaca ctaatggct cacgcctgta atcccagcac ttggagggc cgaggcgaa 120
ggatcacctg agcccaggag ttggagacca gcctggcaa cagattgaga ccctgtctca 180
acaaagaaga agaagaagaa aaaggccagg cgccgtggct aatgtctgt aatcccagcac 240
tttggagggc caagaaggaa gaactgcttgc aggccaggag ttggagacca gcctggtcaa 300
catagcgaga ccccccccccc atctcaaaaa taaataaattc aaaataaaaaa ataaagagg 359

<210> 632
<211> 312
<212> DNA
<213> Homo sapiens

<400> 632
atggtgcaac tgacctgcag agaagctaat taacttggcc aaagttatgg agctaaggaa 60
tggctttaga aagcaaaaaga aaaattttt attaagaataa gaaaagaaaa aagacgcagt 120
atggactcag actgataaaac catttgcattt agagaactat caccatgtt aaaaagagctt 180
ttttgcaagg tgggtggct aactcctgta accctggcaa ctggaaaggc tgaggcagga 240
ggatcacctg gggccaggag gtggagacca gctggcaatc agcaagatcc tgtctctaaa 300
taaagaacca at 312

<210> 633
<211> 378
<212> DNA
<213> Homo sapiens

<400> 633
tcctcttagt ccaccaaaga tgaaaatcaca agcaggacc aacctacctg caaaataaagc 60
ttcagttcca ctataacttgc ccggattacc cacacaaagt gcagcaagaa tcactgtcaa 120
tataagatct cttaaagtgg ctttgcatttgc acctctcaca aagaatctca gacttaaccc 180
ccaatagcct cttgagccaa gccaaagatg catctgcact tgcagatacc tacatggatt 240
tggaaaatcc ctctcttcat gaggcctcag aacaacttgc agttcatggg cctgtcagaa 300
agtggcactc taggccagcg cagtggctca cacctgaaat cccagcactt tgggagactg 360
aqqcqqqccq atcacctg 378

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<210> 634
<211> 379
<212> DNA
<213> Homo sapiens

<400> 634
gtcaccagg tcaaagattt gtacatcctg gtgtcacggg tgaaaaggcct attgggtggc 60
aagcacataa ggcacgtggg atggccaggg gcctccagca cagaaggcc ccgagtgaaa 120
gccttagaca gtaagcgac tgtacgacat gctgaaaggg atcagtgatt ttcctgcag 180
ccagttccaa cctgctgaaa ggaacactga gaaaatatat ggactcgta aacctgagct 240
gcctccaatg gcctcactca ctccaaacct caacttgca atgctgaaat gctgagatta 300
tcgtccacaa ggagcagaag ctttcataga ggaacccatc gacgtggctc ctgccaatg 360
cctcaacagg gcttcgaaa                                         379

<210> 635
<211> 376
<212> DNA
<213> Homo sapiens

<400> 635
ggaggatgt gtgaccccctc aatggatatg ctaatcatca catcagaagc acaactagct 60
tcaaatggaa accagattgc acttggcac tgacgaagca ggagattaaa caagctacac 120
tgtgtctctg ggagaacaaa aagccaaaag gcacatttat caccctgaa tcacaatgga 180
gtctcactct gtcacccagg ctgcagtgc tggtgccat ctggctcac tgcaacctcc 240
gcctccggg ttcagcgat tctccacat caaccccccc agtagctggg attacaggcg 300
tgcgccacca cggccggcta attttgtat tttagtagag acggggtttc accatgttgg 360
ccaggatggt ttctaa                                         376

<210> 636
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(193)
<223> n = A,T,C or G

<400> 636
ggnnngcnngt ccnaancnaa aatagtgagg aaangttggc tccttctaga ggctgngagg 60
aaaggatctg ttccanacct ctctccttta ctttgtggat ggcgccttg cccctgtgtc 120
ctcacctaatttccctctg tacgtgtgtc caaatttcctttaaa agatgccact 180
catatttagat ttg                                         193

<210> 637
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 637
gaggaagnng nagaccactn acagtgggga ggaatccatc ttccatnntg ngangatncn 60
atagcctgcc atnngcaaca tncatggntg ganctnnaag acnttannct gagtgaaaca 120
agccagacac agaagcacaa atattgcacat atcccacttt tataagggat ctgaaatatt 180
caaagtggta gaaccaaaga gtggaaagggt gtttccaga atagttgctg gagaaggggag 240
aatatggggag gagtgttca aaaggatcaa agtgtttata tgcaagatga ataaattctg 300
gacaaaagag ggcctcttagt taacaataat gtttattat acctaacatt ttgctaagaa 360
aatagaactt acgtttaaatg ttcttaccac aaaagtaaaa aaaatttttag aaatttaaaa 420
ataattgttag tgagccaaga tcgtggcatt gccttcaacc tgggtgacat a                                         471

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<210> 638
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G

<400> 638
anggnagnna ggntggaaac aactgtgact atnctaccnt ngctganacc cgtggaggat 60
ggatgaacat ctcttgatg gatgggactg aaactgaacc ttgaaagata atgctgagcc 120
tggataagtg ccccaccgtc cctctgccca aattcaaatac cttcatggcc cagtgc当地 180
aacttctcaa aagccccaaa catctttgtc taacaggaag cttagtgc ttacttgtt 240
ttgacattca ttcccactt agtattatgc ttacttgtt attaaccccttgc 300
tagactataa aattcttaaa aacagg 326

<210> 639
<211> 289
<212> DNA
<213> Homo sapiens

<400> 639
agacgagggtc ttgccacatt gtcaggctg gtcttgaact cctggactca agcaattctt 60
ccactgttagc ctccctgaggt ggcaggatta cagcataagc caccatgcct ggcctcagtc 120
acactttgga aaagaagact atggatctac atgttcattt tgggtcgaa ttataaccaa 180
cacgccactc tatctgcctc cactctgtt ttccatgcc tggacttaaa tgcttctcag 240
aatttttaat gtaccccttgc ctgtttgc atagattttt tactcactg 289

<210> 640
<211> 254
<212> DNA
<213> Homo sapiens

<400> 640
tctgataggt ggaagaagac aactctcaga taagacttaa gactttggac ttgacactgg 60
aatgagttca cagagtgaga gctgggtggtt taagaaagcc tggcatctcc cttgatccct 120
ttctttcat gtgatatgcc ctgttgccct ctggccatgac tggaaacctc cagtggcctc 180
gccaagaaca gatgccagaa ctatgcttcc tggactgcct tggaaaccat gccaataaaa 240
cctcttcata aatg 254

<210> 641
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 641
ggancgnagg atgcgtgatc acagctca gnatgttca tccccggctc cagtgattct 60
cccacccatg cccccggatg gccttttgag caggttcagt ctgggttaatg ccaanctgaa 120
ttggggccat tggatgttgcatt ttaccctgg atggaaatact catatccatc atnnnttatt 180
aaccggccat ntnttacaca ntggcngca agtactgggat ttcaggcaag agccaccgctg 240
tctagccat tatacaattt ttggaaatggt cggttg 285

<210> 642
<211> 290
<212> DNA
<213> Homo sapiens

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<400> 642
aggattggca acgttaattca caaggcccag tggaaaatga aaatgcagga ctccttgcta 60
aaaataatta tgaagaattt caagatagca gagcattaaa tcactcacat agctccattg 120
cgtgagggc tctgtcaac tgtatggtc acatgcccat gaaatggccc tgctgtaca 180
agagacaaga aagatcaccc ctcctgtatc agttccata ttaatcaccc cattttgacc 240
attctacaaa tgttaactgt tatgcttggattaaaaatt catcaagtgc 290

<210> 643
<211> 331
<212> DNA
<213> Homo sapiens

<400> 643
ttactatgag aggtgtgtta aaatctctct ctgaaaagaaa gaaagaaaaga agaaaagaaa 60
gaaaagaaaa gggaaagaaaa gaagaagaaa gaaagaagac aaccctgtgaa gcttgcgtca 120
tcagtggact cttcctttca caaaacattt ttctgttagta tgctatgctg tttgacagca 180
tttactcac agtagaactg ctttcaaat tggagtcagt ccttcaggc cttgccaata 240
ctttctcaac taagttatg tagtattgtatcattcatttgcattttaa acaatgttca 300
tagcatcttc gccaggaata gattccatct c 331

<210> 644
<211> 401
<212> DNA
<213> Homo sapiens

<400> 644
gtaagcgatg ccagggcagg ctcaggcatt ctagaagaga ggaagaaaaag aaggcaacag 60
gaactaggag agagaaggac gtggacagga ggaggtgttt gactagaagt gcgtccaaacc 120
aggccggca cagtggctta cgcctgtat cccagcactt tgagaggccg aggcgggagg 180
atcacctgag gtcaggagtt cgggaccagc ctggccaaca tggtaaaacc cctgtctacta 240
aaaatacaa aattagctgg gcgtggtggt gcacgcctgt agtcccgact actcgggagg 300
ctgaagcacg agaatcgctt gAACCTGGGA ggcgcaggatc gcaatgcgcg aagatcgcc 360
cattgcatttgc cggcctgggt gacagagcga gactctgtct c 401

<210> 645
<211> 132
<212> DNA
<213> Homo sapiens

<400> 645
gtaaaagatca accatcaaga tcaaagatcc ccagaatggc aaatacatac gtgtatggc 60
tcaaaggatgg aagacattcc tctaccatct acttattctg gttatacatt aaagcatagg 120
aggcatagc tg 132

<210> 646
<211> 125
<212> DNA
<213> Homo sapiens

<400> 646
atcaccatct ttgacaagct atacctacta aaagatgtga agcagacacc tacattccat 60
gactcaactg taaagagaac acaaagctcc agtcatagga gaaagaataa aataaaactg 120
ctatt 125

<210> 647
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 647
 gggcattcag ataagccatc atatcccctg tggacctggc acgtacacat ccagatggcc 60
 gtttcctgcc ttaactgatg acatttacc aaaaaagaaa gtaaaaatgg cctgttcctg 120
 ccttaactga tgacatggtc ttgtgaaatt ccttctcctg gtcatcctg gctcaaaggc 180
 tccccctactg agcaccctgt gaccccccact ctgcccccca gagaacaacc ccccttgac 240
 tggaaattnn ctttacctac ccnaatncta tnaaacgggc ccacccctat 290

<210> 648
 <211> 166
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(166)
 <223> n = A,T,C or G

<400> 648
 gggcttgcc aagttgccc agctgggctt gaacttcctg gacttcaagt ggatccaccc 60
 acctcagcct cccaaagtgc tggggattat angtgttag ctgctccgccc cagcccgaaa 120
 gcaaacctta tattcagtct cattggatta aattctatcc ctccgc 166

<210> 649
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

<400> 649
 aacatcaaat agcaaattgaa tagcatcata agaaaagtcna ganaaaagacc ntggggagaaaa 60
 gaaaaaaactt ttaccacgct tttttcatga tctttgaaca aggagctcta aatttatcatt 120
 ttgcactggc tctgtcccag ctcatgtttt ttgagtgaat aaataaataaa ataaatgcat 180
 acatacatat ttatttagtac atggaacaca ctgattatct tccatttcct aacaacactg 240
 tatgtaatca ggattgcagg catgttatga aataactagaa tagctgaata tttaaaattat 300
 tctggaatca tgtatgctt ttgttggggt tatttgcac gtctccaaag tcacatcagt 360
 ttctcagca tcaatgtcct catctcaccc cagtccttagt tctagtcctt agtggaaatag 420
 attgnatcag actaatcctc tgacagacaa caacggncaa ctgtggatga aattttaaaa 480
 caactattta aaaatgccag agagcaaaaca aaagcagaca agntagangg cttcaactca 540
 cggaaatccan taacgtnctg actggagact catgcccccc cccctgaca gaaggacag 600
 aagctctatt gaaaag 616

<210> 650
 <211> 101
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(101)
 <223> n = A,T,C or G

<400> 650
 angcagtgtg tggattacac tatcaactgga aaaatacgna ttgagataga tagggaaaacg 60
 ctaaaactggc agattagatt tttaaataaa gattggatta t 101

<210> 651
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 651
 gtgaggcac agcaatcctc ccagaggatg cagcaacaag aacaccatct tggaaagcaga 60
 gcagccctca ccagacacca aatcgccag cccattgatc ttagacttcc cagcctccag 120
 aactatgaaa aataaatttc ttttgttat aaag 154

 <210> 652
 <211> 241
 <212> DNA
 <213> Homo sapiens

 <400> 652
 gaggcagctt ccaatttctg gaagaaaagaa ggaggaggga gggagaagg aagacgaaag 60
 aataagagga agaaggagga ggaggagaag aaagaagaag aaaaaacccc actgggattc 120
 tgacaggat tgcattgaat ctatagatca gtttggggag tgctgccatc ttaacaatat 180
 taagtcttcc aatgcataaag ccgtataaag taaaaggcaa tgtgagccac tctttactaa 240
 t 241

 <210> 653
 <211> 353
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(353)
 <223> n = A,T,C or G

 <400> 653
 gggcatnctn atanaccatg atatnccctg tgacctgcgc gtacacatcc agatggncgg 60
 ctcctgcctt aactgatgac atttnaccnc aaaanangng aaaatggcct gttcctgcct 120
 taactgatgg cntggtctt tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctgc ccggcagaga acaacccccc ttgactgta 240
 atttccttt acctaccgc atcctataaa acggccccac ccctatctcc ctttgctgac 300
 tctctttcg gactcaaccc acctgcatacc aggtgaaata aacagcttta ttg 353

 <210> 654
 <211> 609
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

 <400> 654
 tgnanctgaa nngcngtgct agnatctgct tatcttcctg ggaggcctca tggaaacttac 60
 agtcctggtg gaaggcaaag tgggagccgg ccagtcacat ggccagagca ggagcaagag 120
 agcgagggtc accacccccc tcagacgtt ctggacaga tccaaggccag cagagcagct 180
 gctcgctcca gagccgtggt gtcttcctgg tgcatacgcg ccaccgcgtg gcaaaaacagg 240
 gcaactgtag gaatcgactt tccatctatt tggagctcat cagtgcctt ctttaggtg 300
 acaacagagt tgtccggcag gttttcctt tctttcttc aagtagggta acattagttc 360
 acatctgctc aaaataattt atgttcgtat tctaaccagac tcatatggca ggaacaagaa 420
 gtgcacatgc caaaaagaagg cagaggactg caggagcaag acgggttgca aagggggccgt 480
 catgactanc acaatcctgg cccctcttct ttcagcnta taaagaccag tanaataata 540
 ntgcatgagt tattgtgcag tancacttt caaaaatata tacattgnng aaacagaccc 600
 ctccaaat 609

 <210> 655
 <211> 411
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 655
gtggggtctt tcaagatgaa gaatcaagaa aatgtttgct gcagccataa aaaggaatga 60
gatcatgtcc tcggcaggaa catggatgaa ggttggaaagcc atcatcctca gcaaactacc 120
acaggaacag aacaccaaacc accacatgtt ctcactcata agtcggagtg gaacactgag 180
aacatatatgga cacagagagg ggaacaacac acaccaggcc tggcgggggg tgggggctga 240
gagganggaa cgtacaggat ggtcagtagg tgcagcaaac caccatgaca cacatatacc 300
tatgtataaa acctgcncgt ctccnnnnnn nnnnnnnnnn nnnnnnaaaan ggnggggggg 360
gccttttgtt ttgggtttt acnngggntn ttttttaaa aggggggggg g 411

<210> 656
<211> 296
<212> DNA
<213> Homo sapiens

<400> 656
cgcccctgtt gagcagcaag ggctccaccc agcaccagac acatggctgc agaccacagg 60
gttttggaaact ccacagacac agaggcagca gcagcttttgaatgttca tccgttccct 120
gctatggtcc ctcatcagca tcctgcagtt ctgacactgcc caaccctacg caagaacttc 180
tggtgaaact ttctctaattc ctctcacttt ccttcaagac ctttacttcc gccagctcct 240
ctactatttggaaaggacc aatttctata ataaatccct taatccata ataccc 296

<210> 657
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 657
ggactgtgct aggaaccggg aatcctgtca tgaacaaaaca cactccaaac tggaggggaa 60
atctgaaacc atctagtccct ttgcactcca tttaaggatg aagaaagtaa ggccgagagg 120
ggaaagcaga gtgacctgct caaggtcaca gagaagggtga cgtgggttac aacgacctt 180
acggcatgct gaccgtgaag acaaactgca gagattgttgc tggtatattt agctgaattt 240
tgtgactgag ggctgttaaa gaacgagaag agaggagaga aagccttatt tggaggccta 300
gaagtacacag actgagacgt caatgccaaa tcttcattt cccactgtgg cttttgc 360
tctctctagg aatagcaaga attttgtaca tagctggaa tgaaaggc 420
ccgggataaa ggttgagaaa actatttct ttgaaaggc cgggcttcca nccttggccg 480
gggggccaaa aaaaaaaggc ccctggatgc ttttttgac ccg 523

<210> 658
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 658
ccttgggtgag gtaagaagag cagctgtgag aattaacaag accagagttc tggcctgga 60
tccgttcttc atctatgggt gacctcacaa gtccctgtcc tcaattctgt caccgaaaga 120
atgaccattt tacctggtca ggcctggca tcgggttacg ctcggatcaa atctcatctc 180
catcacttgtt cagggaaaat ccttaaccaa ggagcaaggc atctgtctt accaaggtca 240
gccaaccac tggcaccaag acatccttcc caccaccccc gacttgcgtc agggctcaga 300

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tttcatcaag tcctcttat caagttccta ttacaaggca ggcatagttā tgcaagaaga 360
 gaaccagaca aggctggagg caagacatgt atgtgaggtg tgtggnctca aaagtcanga 420
 ggctacatct cccttcnaat atatttnctt ttnaatggat tttctatgaa c 471

<210> 659
 <211> 303
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(303)
 <223> n = A,T,C or G

<400> 659
 tcccatccga agcacgtgaa catctacgga accttccctg cagttaccgg tcgcccgtca 60
 cctgctgggg cgcgagggtgc agagactgt a cccgaccgagg acccagaggc tgcaccacg 120
 gaggggaaagt cctcagctgc acaggttggg gggggggggg ggggnccnac ccatctnttn 180
 aggtttnnt tcngccttgt ttttnnttc caaaantttt atttttttt ggnctnnatt 240
 tttncagna ccctcgnnt tttnantttt ttgggttnnn antaaatacc ctgaatttta 300
 ccc 303

<210> 660
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(526)
 <223> n = A,T,C or G

<400> 660
 agcccagtgc agctgaaatc ctagaagacc tcacaactgt gttaaatttt cacagctgac 60
 cacttaaagg cagttcttcaaataaagag agtctcactc tctcacccag gctggagtgc 120
 ggtggcacga tctcagctca ctgcaacatc tgctccctcag gttcaagaga ttctcctgcc 180
 tcacttacat agatgagttt gataacagtc aagctgaaac taaaaaggcc atgatgagat 240
 aaaagatcaa ctaaggaaaca a cgcgtgaaag gcagcttca ctgaagtctt gaacctatga 300
 ctgatcttac caggcatgcc aggagaatac gctgccaggt tccctcacct ctaccctcca 360
 actacagatt gaaaagtctg ctttgcctct tctaaaccat tgcgtcttga acttaaatgt 420
 gctgataaac taccagagaa tcttgggttga aatacaant ntattcncc ncggnttngg 480
 aanggggnac cnagaaattt ttnttttcc aacaagctt taagg 526

<210> 661
 <211> 499
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 661
 caatgatcac angcatctt accaagagga gctccatct caagaaagca ctctctcttt 60
 gctcatccgt aagaagaaac tccccatcta ttcaagttgg atcatgagat tacagcagg 120
 cagtcacata ttcaggcttc acttccaatt ctatgttct tgctgttcc accaaatctg 180
 cagttacttc cacgagtgaa gtcttgaacc cctcaaaagtc atccatgagg gttggattt 240
 atttcttccc aactcctgtt aatgttggata tggtgaccc tcctccattaa tcataaatgt 300
 tctttttttt ttttggggaa gggngtttta ntngcccccc nggnngnagg gcaggggggg 360
 ggnntgggtt aatngaannn nccncntcng gggtnnnccc antntcntg cctaancctc 420
 cnngggaggn gggaaaaagg gggcccnccc nngccccggg tattttttt gttttttaa 480
 aaaaaaaaggg gggttcccc 499

<210> 662
 <211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(497)
 <223> n = A,T,C or G

<400> 662
 tcaaccctta cagggcctgg gactcccttc cggtccactgg aaaggcaact ccccacggat 60
 ggaatccgcg cttctccccca gctctgtcgat gcacccatc agacattta agcagctgtg 120
 tcacatgact tccagtagag ggagccccac accaggcttc catgccagct ggtaactccc 180
 aggccctcctt gactggtaat aatgcacccat gaccctcgca agtgcccatg ccaggagacc 240
 atgaacttta cctcgatggc cagcccttc tccatgtctc cagctattct ttttgaggaa 300
 gattaccgaa tataataagc acatgatatg tacatatgca tatatacacc gtttgtgcat 360
 gtgtatgtat agagacacat atgtcaactaa aataactgct cacagatatt taatttcaaa 420
 ctttcattttc ccctttacca ccttnnggc ccaatcttcc ccaacaaaag ccgaggggga 480
 ttaaacccggg tttggtt 497

<210> 663
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n = A,T,C or G

<400> 663
 gtntgcatcg ncagcttnna tatcnnnat gtccggngcc tnngnnaact tacaatcatg 60
 gtnggaaggg gannaggaag cnccggcacct ttttacaag gcngcaggaa ggagaagtgc 120
 taagngaagc aggaagagcc atttataaaa ccatcaagat ctcgtgagaa ctcacacact 180
 atcacaaaga acaggcatgg gggaaaccacc cccatgactc cattactcc caccattccc 240
 ttccaggaca tgtgggggaa ttattgggg attaccaatt caaaggatga agattttgaa 300
 gttggggac caaccatatac actatttgtg aagnatgctt ttattattgg gcaaataataa 360
 gttatttgca taaaagttca taaaagtgatc ttgctcttt tnngnaacaa gggacaaatt 420
 gggaaagcccc ttggattatt attaccaaaa ggcttttga ctggaaata attatatctt 480
 tccaatatga agtaagacag cctttgaan ggaaactggg ngggtnggaa tttttttaaa 540
 ggcttttaa aanccccctn gggaaaaccc tggccctta 580

<210> 664
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 664
 ctatatcatc atggattttt ttaagccact ggagaggcca gaattatatc agagatacaa 60
 ccagcctgccc actcattggc ctttaccctc tttgtatgttc ctgacactgc cagaaaaacc 120
 tctctatcac agacttacag cttccctccag ctgcaagaaa ccctggctt gttcttatct 180
 actaagcaaa tgaatattat aatcgacaaa taaatgagct tgattgggtc ctcatccact 240
 tattcactca tgtcacaaaa attaagtgaa ttacaaatat ggaccaagca ctgaattcat 300
 ttttaaaaat ttaatgaata aataaaatga tatgagtaga tgcataaatg aacaaatgac 360
 taaaact 367

<210> 665
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 665
aactactatg caaagaggc ctgctacccg tgctggagag acctcatgta gagactgcag 60
ccacatggag atgagcttga agccatccag gacatttcag ccacagatga gctccagctg 120
aatgcaggca caggtgtaac cccagccaa accacatggg gggcagaaga accatacagc 180
tgagcccagc caacccacag gctttccaga aacaagccag gagtggatg ggactcttct 240
acattcagtg actcaatttg gtcagaacta aggacaatga ggaactggcc ttgggtgcaa 300
aatttaaggg agtgcgaaaa attgagtcat tgagataaat tatatttta tgcaatttt 360
aatgcaatat tttaactaat aaaaattaat gcccaaaaaa aaaaaggcca gcngggccaa 420
ttcagtttg gacttaaccc aggctgaact tgcttaaaag g 461

<210> 666
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 666
atgcagtctt gctccatcac ccaggctgaa gtgcagtggc aagatcttgg ctcactgaaa 60
ccgccccatctc ccaggttcaa gcaattcttc tgcctcagcc tcccggatgt ctgggattac 120
agatagtagg actgaacttc tgagaggta agcgacatgg cacagattac acagaagaga 180
aagatttga agatcagatg aagtatgtac ctttggatata tgcagaagaa gggctctggct 240
ctgttgccta ggctggatgt cagttggatgt atctcaggta acagcaacct ctacctcctg 300
ggctcaagtc ctcccacctc aggctcctgta gtagctggta ctacgggcat gtgcacatcac 360
actcagctaa agttttgtgt tttttgtaga gatggatgt tgccatgtt cccaggctt 420
ggctcaaaact cctggatca agtggatctg gctggatcac cttccaaag ggtnggata 480
ccngtgggaa gnactttgnc cggcccaatg gattttttt tttggatgt 530

<210> 667
<211> 136
<212> DNA
<213> Homo sapiens

<400> 667
atgaggcacac tgaggtgcaa gacgtttgag gttatccaag ttatccaggg tcacacaact 60
gatgaggaaa ccgagccctca gagaagtaaa gtgaaacacc caagttgata gtgtcaacaa 120
ataaaaagtc caagcc 136

<210> 668
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 668
gcccacattt ccgtgcgggtt gggccaaatg actcnntgac ccgaggaaacg ngntgtgnga 60
cattgcattt nggatggcna ttgaaggggg tggcttattt cccanaatat tccaaaccct 120
gggaccgcnc ttagaggggc atggctgnct tcaggganga agccggactc cccaaaattgt 180
tggcaaaatg acccccattt taacnctca ncacatggaa gaatgcatgc cctgnagagn 240
aggatccat gaatggaaaga tcttgcggcc aagattggcc tttnatcatt tcacctctcc 300
aaactccat ttcttcncaa ggnatgaatg atggaaata naaattgacc tggcngtgaa 360
tgccctggaa ancnaacngtgc tgaatcattt aaccacctt ctnnnntaccc tttccttaag 420

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cnttnncccc tgggcttaga aaattaattc accgnagggg gnttggngtt ntggctttgg 480
 aaaaaaaagcc ctngncttct ttnccttgga atggaaat 518

<210> 669
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 669
 aatctccctt gttgtggatt tcagacccctg agtgtacago tccccatctg gactctcg 60
 aaggctcg 60
 taaacaacac acagagcatc tcttgcac gggctcagct gacacgtctc 120
 cctccctcac cactgccccg ccagcctcca gcagcacatc tgccgtggac aatgagtctc 180
 atttcacatt ttggctctgc ggtaggcatc atcatgggaa cagaatacac accacaagat 240
 aataaacaag ggactgttca agaacaataa tcaaataaaa gacaaaagga aagagg 296

<210> 670
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 670
 ggacacttgc ctttggacc ttgtcttaag gaaacccaga tcgaatgcac agactacatt 60
 ggttgttg 60
 gttgacagtt gcagctaaga ttcaagccta cagccagtat ctagaccaga 120
 tatatgaatg aatgagcctt tcttgcctcc agccttggc tggtctaccg gatactgaag 180
 tgggagaaat aagttgtccc cactaaggac tgctcaagtt acagatttat gagcaaagta 240
 aatgttgc 240
 tggatttcag tcactaaatt ttgggtgggtt cattatgcag caataggtaa 300
 cacaaactat taaagtctt attagtataa caagcccc 338

<210> 671
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (452)
 <223> n = A,T,C or G

<400> 671
 ctggcgtgtc cgaatggct gagtacccgg attaagaggg acaccccaaa gcccccat 60
 ctgggttatt gctccagagc caatgttctt gggaaagga agatatgccc tttgtcaaca 120
 ttgccactgc tggctgtaa actcctagac ggcagctgg tggttcaaaa accaggactc 180
 ctgtctctgg ccctaccctt acctaccaga atgaccgtga accctttccc actcactcct 240
 acaaccagg 240
 ttccatctcc tctctcagct taggttccc taactgtaaa ataaaagggt 300
 tggacttaggt taaggacttc ctgctattc tctctccac actctaagnt tccttaggaa 360
 tgcttcagaa aacagcangg gttggggcaa ggatgccact tgagtcccag agcaacttca 420
 atttcatagg gcacataaat ttatgtgaaa gt 452

<210> 672
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (513)
 <223> n = A,T,C or G

<400> 672
 ggagaagaat aacatttatt taatggatgc tgagcaaaag gtattcacaa ttcatgcttc 60
 agggcttaag cctatccgag atcagaaggg aactttcca gtctccaaat tgtacaactg 120
 ggagctataa cactcaccga gaagatctgc agcttctctc ctgaagccag cgagaccatg 180
 agcccaccag gaggaacgaa caactccaga cgtgctgcct taagagctgt aacactcaca 240

gcgaaggctc ac tcctgagcca gcgagaccac aaacctacca gaaggaagaa 300
 actccgaaca catctgaaca tcaaaaaggga cagcctccag acgcgccacc ttaaggcgt 360
 naacacttca ccccgccng ggnnaaaagnn ggggggggtt tttccccccc gncccnnggg 420
 ggggnntttt ttttccaaa ntttttccc ttttttnggg aaaaaaaagnt tncccccaagg 480
 ggnngggggg agggggaaaa accccccccc aaa 513

<210> 673
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 673
 gagaaataca ggtagatg agacttggc gactcaagtt ctccctcca cccatggcct 60
 ctactcgccc agctggtcaa atgtggatt tcgaatatca aatatgtata aaataaata 120
 atgaaagagt acatctcaa aaaaaaaacc 150

<210> 674
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(423)
 <223> n = A,T,C or G

<400> 674
 agttgatgag ctggagaatg cgactggcag cacaggccta gggcaccaga gggcagactg 60
 tacagagacc tgtgagaatg gtcagaactc catggatcat gatggatga tcagggcac 120
 tataatagcg ttcatttat gtattaagcc agatttgac aacaattcca ttgtaataca 180
 aatgtaatct tttagaagtaa ttttaaagca gcaaatgttag aaatgccaac cctcaagtaa 240
 aagaaaacaa tttccctaag ccaaatgtct ttgtgagag atttcaatgg tcatttgatt 300
 ttatgttaaa gatcatctga ctttatgatt caccgattc ttaaatgcac atctcaaata 360
 taattggtcc tttcccaa tttttttt tggggggggaa aaggggnntt tttaaaaaaaa 420
 ttt 423

<210> 675
 <211> 497
 <212>.DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(497)
 <223> n = A,T,C or G

<400> 675
 ctgcctatgcc atgaagacac tcaagcagcc ctatgaaaag gtccacttgg ggaggaactg 60
 agacctcttg ccaacaacca tgtgagtaac ccgtcttggg agacgatcca ccaacccac 120
 tcaaggcttc agatgactgt cactccagcc aacatcttga ctacgacccctc atgagagact 180
 ctgtgccaga accacccagc taagctgct ctgaattcct gaccccaaga aactgagata 240
 ataaaatgtttt attatttga gccacaatat tttgggtaa ttgttggaa ggcaatagat 300
 aactaataca ggctctcata atgtcattha tttgggtcca gtcagcatgc tttaagatct 360
 gggagggtttt tttttttttt tttccccccct tttttttcc aattttnccc ccccnatttt 420
 taaaaaaaaattt ttccnntta aaaaanccaa aaggccccaa aaaattttt tnttttnaa 480
 aaggggggggg gaaaaaaa 497

<210> 676
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(517)
<223> n = A,T,C or G

<400> 676
atggagtctt gctctgtcac ccaggctgga gtgcagcggc gtgatctcag ctcactgcaa 60
cctccgcctc ctgggcttaa gcaattctgc tgctctcaggc tcccaagtag ttgagattac 120
aggcgtgtat caccacatcc ggctaatttt tgtatTTTA gtagagacga ggTTTcacca 180
tggggccaa gctggtcttg aactcctgac ctcaagtgtat ctgcccacct cggcctcaca 240
aagtgttagg attataaggca tgagccactg caccgcactg tattgtaaag catattgaca 300
ccttcaccta actgtgtttg gatcaagtca ctctggaga aagccagttt caatatcctg 360
aagatactta agcagtcct taatTTTgn gggggaaaag gnaaaaagga aaanttttt 420
tccccgnTTT nnnnnnnncc cccaaaaggg ggggggnaaa aaaccctttg gggaaaaaaa 480
ggncncnTTT tccccTTTg ggttttccc caacccc 517

<210> 677
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 677
gcgtatgtgg acataaaaac aagcttcata tattgtgtgt catagggac tgccctacct 60
gccaagggtc tcactggatc tctgtactca tttcctgttg ccagctggtg gacaatatgg 120
tgctaagaac tcaagaagtt ggtcctcagc ttgaacctca gaggtcacca aaccttctg 180
gatagctgtc agggagttc tggaggtgct caatagtgc atatgtcaag ttgagaaggg 240
acagctgatc ttccagggtt gagatggatc cactccccac tctcataaaag aagatgtggg 300
tttgttgcac cttaactata taggaaaaag cctcacaaat tcttcanccc cttggatgga 360
ggcttnaann cnccccTTT tnnnnnnnnn ncnnnnnnnnc ttTTTgg 407

<210> 678
<211> 343
<212> DNA
<213> Homo sapiens

<400> 678
ggcctgtct gggctgtggt cagagggaca tggggctttg gaagaacggc cggagagaag 60
caacattgtc ggctctgtat gaggagaaa gcccggaaat gcccggccatc tctacaagct 120
gcagagacaa ggaaacagac tctccccac aacctccaaa gagaaacgc tgctgccatc 180
accctaatac tagtctggcc tgcagaacca ggagtggaaat ataatacata tggggatTTT 240
taagccacca cgttcgtaa atttcttaac agcagtagta ggaagctaat ataccggcca 300
agtagagatt gattaatttg gttataaaac aacaactcct agg 343

<210> 679
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 679
tggcaagagg aaaaacaagg aagtccaaact ccacaggTTT gtaaggagca gccagCTTg 60
atttgcctcg cacgtcatag ctcagaaagt ttgctgctc atacaatcct cagcaaaagac 120
catccattca ttccgggatt ccccccagctc atggacacagat gtcggctct aactacagac 180
acccttcttc tggaaactct caccagctg atttctaaac tcccagtcac cttcacatt 240
gttgcctgt tttcagtgcc tttcctctgc agatctctca gtaggcagcc gtaaggagtc 300

```

agcaaaggct aacacggctg ccctcagctg gaaacctagt gtagtgccta ttacatttct 360
 cctggaaac cccnaaaanc ctttttccc ccnnttttt tgggttggg ggaaaaggga 420
 aaaaaaaaaa ggggggggccc cnnaaaaatt ttttcccaa aaaaaaaaaacc cccttccccn 480
 tttaaatttn ccctttttt taaaaaaggg g 511

<210> 680
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 680
 aaactttgtt cttggacct tctgctccac aggcaagaga gagaatttgt ccaaatacac 60
 gaaatggagc tcaagaaaac ttcatctgat tctcaaagaa cacacatctc aactgacatc 120
 tgccccaca cttgtaata aaagtgcatt ggtgc 155

<210> 681
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 681
 agacggggtt tcaccatatt gcccaggctg ttctcaaact tctggctca agcaatctgc 60
 ccaccttggc ctcccaaagt gctggatta gagaggctt cctccccctg gatgatagtt 120
 gcaccaccaat caaccaggat gctcaagtct gaaaagtcgc tcaagtcatc tttgaatatt 180
 ttcccagctc cctacatcca actcatcagc tagtccaatg atttcaaagt ctaatcggt 240
 tcttaaatct gtccactttg ctctgtaatg cactgccacc agcctgatcc aaaccaccaat 300
 ctctctcac cttaactaca agagcctcct ttctctaatc atgcctaac cccagatcag 360
 ttctttccct tttttttttt ggggggggggaaaaggngtt tccccttttggggaaaagggn 420
 ttttaaaaaaa anattcccc tttttttttt ttttaaaaaaa aatttaaaaaa nccccaattt 480
 tttaaattttt aaattttcccc tttgggggaa aa 512

<210> 682
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(536)
 <223> n = A,T,C or G

<400> 682
 actgaggtgc agtggctcac ctgtaatccc agtgctttgg gaggacaagg caggaggact 60
 gcttagccc aggagttcaa gaccagctg gggaaatactg caaaaactcca tctctacaaa 120
 aataaaaaata aaaataaaatg agccaggatgc agtggcgcat gcctgcagtc ccagctactc 180
 agaaggccaa ggtttctaatt aaccataaga tcataccatt ggactgtgtg aaaaattttca 240
 gaactctaattt gaagaaaatga atggcttcatt gaaactgcca agcaagatca agcagatcaa 300
 gaatttaattt ccgtgaaactt gaactgtatgaa agatttaaag aaactatttc tcttaagctt 360
 tcttagagttt gcagagatctt ggggtcaggcc cnnaattttt taaattttaa ancccttttt 420
 tttttttttt ggggnngggggggaaaacc cncctgggnn aaaaattttt ttngggggggg 480
 aaaaaacccc aaaaaattttt ttnaccctt tttttttttt tttttcccccc tttttg 536

<210> 683
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 683

taactgtgct gaactcatca tactgattc tgggactctg gagcaacaga tatctacaat 60
 ggagtctcat tctgtcgcca ggctggagcg cagtggcgca atctcgactc cctagttcaa 120
 acgattctcg tgcctcgccc tcctgagtagt ctgggactac aggcatgcac caccacgccc 180
 agctaatttt tatatttttta gtagatacgg gtttacattt tggccaggat ggtctcgatc 240
 tcctgaccc atgatccgccc tgcctcagcc tcccaaagtg ctgggattat aggcatgagc 300
 caccgcacctt ggcctcaaaa agagctttt aaatattagg gctagtttc cttttgtcag 360
 tatttgaatt tt 372

<210> 684
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

<400> 684
 gagtgatcc agaattttgtg gaatttaaag cttacataat ggctttgaga tcccatgggc 60
 tcaagaaaca aatgaaagag aacatctctg cccagccata gaagaaacta ccagactctg 120
 aagtggaaacc acttatacca gtgcattcac accaaaaggt ggaatgagag tggctgcttt 180
 tctggcagcg tggagacgaa cattagaaag aagatgctgg atttggtagt catgaagcag 240
 tgaccgtgtg ccccacaccc agtgagcagc aagaaccccc tcttaggactg gtggagctgg 300
 aaccatcatt aaaggataaaa ctgctcatct caaaccagag gcaattaagt gacagagggt 360
 tctcgatccg acgacttcct ttccnaaaaag gccctttttt tttttttttt tggaaacccc 420
 naggntttgg gggggggccccc ccccaactttt aaggcccccc aaaaattttt 470

<210> 685
 <211> 540
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(540)
 <223> n = A,T,C or G

<400> 685
 agtcctgtct tagactnctg nattcctcta actgagnatc canttaagga accaatgaac 60
 atggagggag gatgaaaacct gatgggcatc gggacaagg ttcccatgtat acagcngcan 120
 taanagnctn ttngncttc cttgctcaact gntnaatatg gctgaactac gcangnggtc 180
 canggagact tggagcagcc tgtctgaggn cactgaataa tcccaganac acatccacna 240
 aactgagcca atactataag cacagaacat ttttanaagc tgtggacag aggaaggccc 300
 ttcccaagat attgcttcgg gaccagaat ttaaacattc accattggct tccggtcatg 360
 caggctgtca catgctcctg aaaaagaagg gctgcgtgat tttnaaaaan ncnnanttt 420
 tttttttttt ttccnaaaaac ccccccattt nttttttgg nggggggnga aaaagaaaaa 480
 ntggggnggg gngnnttcc nnaannccct tttttntctn ttgggggggg gaaaaaaaat 540

<210> 686
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 686
 ctctgaaaga tagttaggat gagaaaacga ccctcattgt aaagatgaag aaaccgaagt 60
 tcagagaagt cacaaaacta caaagtggca caccggaggc tagaacctcc ttcctctcat 120

ttgaagggcc accaaaccag ctgttccct catggaagag gagcatagac ataaaatgtc 180
 aaggcaatgg ggaaggggca gagaaaaggc acaaacactt ggaggagaga cagaacaatt 240
 aattggcaca aaaatacagt attggtgtaa ggaggcttg gtgggcttgg aaacatcaag 300
 cagcagatct gaaggaaatc cagccctggc atgaaagaaa cggggcaggc caggcgact 360
 ggctcaactcc tgtaatctca acatTTGGA angcaaangc gggtgatca ccttga 416

<210> 687
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 687
 cctggcagaaa tctggccaac ttggccattn ntnttggncc gnggttaact ntggntnnnt 60
 ntcctggntn tttgttngg cctgcaactc cggtttgct tccttgccctg ccccctggct 120
 taaaagaaaa ggacggggag tagggatctg gaaggacact ggcccccaaa cagggaatct 180
 gagcaccagc agccacgccc cagtgggta accttaaccc gtgcccattgt taaacgcttc 240
 tgggtggcgt aagcacggtt agctatgggt agtccatgg ggtatcatgtt ggcacatccacc 300
 tatattgcaa gttctgaaat gataacattt tanaaatgga tggacaaaat ggatgcccag 360
 ggttaaagaa aaaagtgggtt attaaaaggc nacaccaag gtccttcaag tggntgnaac 420
 tggtnataa cntgnctgtg gtangggaa taccccaatc ttccaaagg 469

<210> 688
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

<400> 688
 gaagaactga ccannacccc ttttangaacn ngngggctt caaaagggan aagtgggnan 60
 cctcaagtg ggggggccaa agggccctt ggttggcca cattcaacgg taaaaaaaaatc 120
 ttaaacgggg tcttttaaat ggccttca cgggnccang gaaacottca agctttcaaa 180
 aagnaaaaac ncaaaaaccgc gtcaatggct ntcatttaaa tttncnctt aattcggggc 240
 ttccaaaagg aaggtggag gaaatagctt ggggtggctca ctgtcccaag acactggaaag 300
 aatgggcant ttcaaaagaat ttttctctt gcaattctgg gtccttctga aacaagactt 360
 tggAACCTT ggtcttgctt gggtttccca aacccctggg gttacnacat tnaanaaaacc 420
 atgggtgcctc caagggaaacc cttcaccntr ttggaaagtc ttggaanggt ttgaagcccc 480
 canaggaaaa cctcttatgg tcttccatt attttccat ttccaanaac aacccttntt 540
 nttttttat tggaaaaccc ctttggngaa aanngggcnt ttaacttcaa ntnttttta 600
 aaaacatt 608

<210> 689
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 689
 gttgcctcac tggaaagccag gacacctatg gacaccttaa ggcgattttc tctggcaaga 60
 agtggagatc tgatacagac ttttcaagaa tgatctcattt cttagacaa ttccctgaca 120
 ctacctgtct ggtttcttg attagcaaaa ataatcatag taaaataacc aatc 174

<210> 690
 <211> 399
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 690
gaggctcagt ccaacagccc ttgaagaaaa gaattccacc accacccaaca acaataagct 60
tggaaagtggc ttttctcga aataaaaacct tcaaattgaga cctcagccct agacaccacc 120
ttgattatgg ccttgtgaga gagattctaa agcagaaggc ccaggtcagc tgtgcccaga 180
ctccctgattt aaagaaaactg tgaggtactg gccagacgaa gtggttcaca cctgtaatcc 240
cagcactttg ggaggccgac gtgggtggat cacctgaggt caggagttcg agaccagcct 300
ggtaacatg gtgaaaccct gtctctacta aaaatataaa aattaaccca gcatngnggn 360
gnngtgcctat aattccactt ctccaaagct tgagggcaga 399

<210> 691
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 691
gaaagaagca gacaccgagg gagaatttta aagacttcaa agagcccgag tggactacca 60
catccctgta gctggcagtc ctatagctgg cggtcctact tgtccagtaa gcttccaaac 120
attggctcct ctctgaaaag gtcaccctgc tttcagaca gaatttgcgt ctctcggcag 180
ctgggaataac tttggaaactg aagagaacct attaggagag agaaaaaaaca gagtcatgat 240
taagcaaaaaaaa aatggaga aaagattcac ctctaaattt tatttaatga caacaaaaaac 300
acacaacatt tctctttgat tcataacgat aataaaattct acttatcgtt tgcaataatt 360
ccaaaggngt ctaaaaacat ctttatatta aaaaagagtt ccatatttagt ttgaattact 420
tcangaaaaaa aatggcctat tccncccttc caagctt 457

<210> 692
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 692
gggatggatg nggtaccagc aanacttacc aatgagttacc tngaccgntc ttcatagnag 60
atccccnctgg cagcaggcca tgaaccacaa gcctctntcc atcaccctgc tttccgggtc 120
ttctccagct ncacttggtc tgatgaataa ttccaaccag cacttccaga agcttgagct 180
gctcttggc tttgataaca gctagcttt tgggggtac ataaacattc acatntttt 240
taccgctgtt ngacaatgac tcctggcttc tgatnggact gaggcattana aaggatctgg 300
gcacatnggna tggtnnnnnn tttattggcc cnctnggta aaaaacctt cctncttnaa 360
aatttggga accgcttgan ggnnggggca nanattttt tttttttga aggntcttca 420
aagaaaaaaac c 431

<210> 693
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

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<400> 693
tcagaaaactt gangaaaaag aaccttggtt cacttaattc tncgcctctt nggaaaatca 60
annctngtt atggacctcc ttgnatngat ccnacttgag accccaccan nttnngccca 120
acccttgctt ggggggaaat taagaaaacc ctctntctt tccanaagtt aaaggggggc 180
cttggaaattgg gggttccaagg gtcacattt tttgggaacc ttcaanggtg gacanggcc 240
agaagccccca aggtcccccc angacaagt ggcagccacc tttgtncCAA ngccgggccc 300
ttccccgttt ctggcttcc cgggcttgaa ctggcttgg gaanaaagaa ggaaanggtt 360
cattcttcaa ntttgcaga aaaacttggg aaagccaaga agaaccccc agettangga 420
agcctactta ccaacttatt tccanggcc aagaaaaaga acaagttggg cctttggaa 480
ttgggggaaat tgtnngtatt ttggaaaagt nggaaagact taaccanaa nggttcctt 540
gggnaaaatg gtaccantn ttnttagct ttcccaan aactttgctt gcttnngtgg 600
ggaaaatgtt tccaaggt 618

<210> 694
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 694
gaaagaacctt tggtcactaa attctacgcc ttctggaaat cactctgcta atgacttcct 60
gaatgatcgaa ctgagaccaa cagctggccc agccctgcat ggaggagtaa gaaaccctca 120
tctgtcagag ttaaggggcc tgaatggta caggtcacat tcttggagct caaggtgaca 180
ggccagagcc cgggtccccca ggacagtgca gcaccttgcc caggcgggccc tcccgttct 240
ggctccgggc tgagcttcct ggagaagagg aagttcatc tgaattgcag aaacttggaaag 300
cagagagccc agtttaggagc tactacaact atccaggcaa gaaagacagt ggcttggatg 360
ggatgttgtt attgaaaagtg gagactanca naagtcttgg naatgtcatn ttatactacc 420
aaaacttgctt gctgg 435

<210> 695
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 695
taaccagtga ggaactgagg tctccagca accacctgtg tggagttggaa agcggcgctc 60
tctctctctc tctctccagc aaccagttagt gaaactgagg ctcccancan ccacctgtgt 120
gaagtnngaa gtggattccct tancctcagt caaaccttga aacgactgaa aaccttggnc 180
acagcttgn taaaacctca tgagagaccc taagccanac tcncttaccc acagaancct 240
ttatntgtat ctctgaataa atgtntgtta tttaagcta ct 282

<210> 696
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 696
aacgttagctg ttttggaaaa acaaaggata tgcattcttc tcaaatggca acttaaagaa 60
acaggaggc aaattctcat ttctttggaa aagtaaagat tcctctctt ggtaaaagaa 120

acttctttgc attcactgaa caacctccc ttaagaggga accaacaccg cctgatgatg 180
 ggcaaactga ggcttacaga gatgggagac tgcctgcacg ggaccattca gtcagaaac 240
 agtggacta gaacctgagg ccatgcctt cagagctgct cccatcttct tactgtccat 300
 gccgcctctg gcactttata aatgacagag ggtccgatat gggcatcatc acatggttac 360
 ccatggtacc ctaaagtgc aaccccaagc ctctcacctg gacatctgcc aaaaaagctg 420
 taatgcantt gaaaatttgtt cttcccttgtt g 451

<210> 697
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (278)
 <223> n = A,T,C or G

<400> 697
 gtgttgcgt gatgcaggag acaaccgcga anatgggnan ggaatgagaa ngatacnncg 60
 tangggant gaagcnaaag atcacgtgc ctgcctacac cangaaacag ccaagacccc 120
 ccttgcacga accaacattc ttccacccctc tccaaactttt ttctggacc ccttcacttn 180
 caacgccttc aatgtacact tcactttctn gtgtcttcc taagagagta gtgnttntt 240
 nctccccacc gagaaaaaaa aataaaagca acaactgg 278

<210> 698
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 698
 gtccaagatt ttgagaaccc agattcaaat aaagaaaatag atatggccag gtgcgtatggc 60
 tcaacgcctgt aatcccagca ctttggagg ccgaggcggg cgatcacga gagacagggt 120
 cttgctctat tgtccaggct ggattcaacc ttgtgggctc aagtgtatcct cctgcctcag 180
 cctctggagt agctgggact acggatgcat accaccatat tctgctcatg ccctatgtat 240
 tctttgtat gtatgggtgt aaaaacagag ataaaaacagc agatatggat gcc 293

<210> 699
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 699
 acacagcaaa ggctgagatt tcagagactt gagggttattt gggagctcag aacatggcat 60
 caagtcccaa ggaggaaaaaa ctatggatcc tggAACCTTG ctgttgcata acttgggggc 120
 ctgtcttaaa agtctcactt ggtgatatgg gctgagtcata gtccctcccc aaaattctt 180
 tggtaagtc ctaatcccta gtacctcaga atgtgattag atttgagat agggtcttta 240
 gtgagataat taaggcaaaa ggaggtcata tgggtggggc ctccttacag aggagactgg 300
 tatctctgtt agaagaggaa tgaggacaga gacacgtaca gaccaaggaa ccatcatatg 360
 aggacacaga aagaaggat ccatcttcaa gtgaagaaaa gaggctcag gagaaaccaa 420
 acctgcccac atcttgcattt gggactttt accttccaaa atttaaagaa aataa 475

<210> 700
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (458)
 <223> n = A,T,C or G

<400> 700
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agaagttcct aacgaggaca aaatgagagg tcatacgcca agtgtatcaa gtacacagaa 120
 attacctcat ttccaaaggg aagattggat gatactccac agccaatatt gacttactga 180
 agatgttattc aaatcctctg ccttcctca taatgatatg agaagataaa gacgtgctcc 240
 gctacagagt cttcaaagga agcagaaaaa gtataataca taattttaac ttaagaggaa 300
 caactgctgga catcatgaga attccataca atgagtgtca catctatcag aaaaccaagg 360
 gtatgaactc taaagaaata gaagatgtg gtgaacaggg accacctctc tgcctgattt 420
 gntttctgcc taggaggnc ttccataattt catgggtg 458

<210> 701
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(523)
 <223> n = A,T,C or G

<400> 701
 gtgcgggtggc tcacacctgt aatcccagca ctttgggagg ccaaagtggg aggatcgctt 60
 gagctaaaga ttttgagacc agcctaggca atatggatgt attatggat tctctggaaa 120
 gattctgtga acaagcaaga cacctgttc aggtcttgtt aaataccagg tctttccatt 180
 tccttaagc cttcagaga tttangccat gtcatcatac ctgatcactt catacctgaa 240
 cccccacaagg gcagcagcat cctccgggtgt ctactaccgg tgagaccccc tctagagaaa 300
 gttccagaaa acaagatgag ttcaaagagt tcataaggaa cttttggggg aagctacact 360
 attatttagtt aacactgaac agggagcccg gagatctaga ttcttgntgn atttgcctg 420
 ntcatatgac tttggacaaa ccactcatct tttaagnacc ctcanttctt canttatttt 480
 tgganaacat tggaagtaaa ggacctttaa agtctgttta ccc 523

<210> 702
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = A,T,C or G

<400> 702
 gcaaaaacaga aattccattt tgatgattaa aaggaggaaa aattaacttc atggcctga 60
 cccacgttca acttgataag agaggagaga gcactgtgtg aaggcaagag ctggtaagct 120
 cagacacaacag aaagaccggg actaactcct gctcatcact tcactacacg gccttggcca 180
 tgctgctgat cttcacagca tcaggttctt catgggtgat ttgggaatag caactggacc 240
 aaggctcaca gggtccttca tattattcc actcattatt gttgaaatct tccagtttc 300
 tcattattcc caatgcttca aaataaaaga gaaattttagt aagattaaat aatggaaaaaa 360
 ggaagccaaa gaatatccag ttacgatgtt caaagagata agctggccct gaggcatatt 420
 tatctgtccct aaaagaacctt cccaaagaga aaattaaagc tnttccata ccttg 475

<210> 703
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(527)
 <223> n = A,T,C or G

<400> 703
 ggcatgaact cagggagcga gcttggggaaa ttgtggagga agctgtttaa agggattccc 60
 agctctcggtg tgagccattt tggttctat tggggactt gtgtgctgtt ggggcgcggca 120
 cagatccac agggctccag cttggcaac gacatcgacc aatacccggtt ggtttcagg 180

cccttttgg natcttggn ccccaanccc ttagngaga aactgcctga gaaaaaaancg 360
 gnggnacac antggagaac tgaaaaaaa accccggagt gggancaca tctggcgccc 420
 cnctccctga catgaatgtg accaactctg gtttaanat tttgacatn tgaagccana 480
 aantncctt tctactataa gggagtgga agggggattt ccacacttg tac 533

<210> 707
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = A,T,C or G

<400> 707
 tccccacagcc ctgtgaccaa aagactggga gtgtatgtca ggcctcttag accaagccaa 60
 gccatcgcat cccccgtgac ttgcacgtat acgcccagat ggcctgaagt aactgaagaa 120
 tcacaaaata agtgaatatg ccctgcccc ccttaactga tgacattcca ccacaaaaga 180
 agtgtaaatg gccagtcctt gccttaactg atgacattat cttgtgagag tcctttcct 240
 ggctcatcct ggctaaaaaa gcacccccc tgagcatctt ggcacccca ctcctgccc 300
 ccagagaaca aaccccttt gactgtattt ttcccttacc tacccaaatac ctataaaaacg 360
 gctccaccct tatctccctt cgctgactctt ctttcggac gcagcccgcg tgacccagg 420
 tggaaataaac agccatgttg ctcacacaaa aaaaaaaaaagg ccagngaggc caattcaagc 480
 ttggacttaa ccaggctgaa ctngnntcaaa agggggggggg 520

<210> 708
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 708
 gcctgactcc cccgcagagg agaagcaaaa caatctctta gaagcaaatac aatcaattca 60
 ccattttctt aagctgcaga gttctatagc tggcttgggg caggtggaa aagaagaact 120
 cttctccat tggaaatct aaggcataca taaatttaat gaagtacaaa ctttctgtac 180
 agatggagca taaacaaatg gcgtcaactatc atccaccagg cattcattca agctgtggac 240
 agagcccagc ggcccgagca cccgacaact gagtgcttgg ggaggctcag ccctgacagc 300
 ccctgcacaaa cccaaatcag ttggcagtc acagagggtga ggccaccaag ggcttctgac 360
 ctttgcggcc ctccccaggc taccctctt gagtcatcc ttctggtaa ccagcttggg 420
 agccttagtg agtggcaggg ttgttgcgtt agagaaagcc ctggagtctt ctctgctcta 480
 atgacttaaa ataaagtcca aactcctc 508

<210> 709
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 709
 gggaaaacaat ggagcttcct gacatgtgac actgatgctg tttcactcaa caagcaaaag 60
 tcttgcctc tcttctactg gaatatcgt gccatgagag ctggatctt tgtttgatc 120
 tctgcttgc ccccagcacc cagcacaatg ctgacacat agtaggtgtt caataagttc 180
 cactgaatga atatacacaa ccaatcctga taataaaaagt ttgttattt 229

<210> 710
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 710
 gctattgtcc tccagttcct agcttaaaac tgtacgggac atttccagta tagagcctgc 60
 tgagaatcaa catgaaatca aggacatcac ctgatgatgg attatgtaga tggcgaagg 120
 gtgggtggcac ggagacctt tggtgaccaa gcccggact gagcaatctg tcagcagctt 180
 atcaaaaagaa aacacaagtc caaacttgtt angaaaatac ctgattaaaa tcactcttc 240
 agggggtatac tagtacatct ggcaggccag tctggtattt aataaaatcct gctccttc 298

<210> 711
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 711
 acaaacaatg attcctgaag aaataataat gaaccatcac ctttgatgta atggctgcct 60
 gcactgtcgatgggagtg tgccaagatc agagattaat gcatattaaa gaaggtgaag 120
 agaatttcac ttctggatga tgtgagcacc ctgcagttt ctgtgtactt ttcatacact 180
 tatgtatttt tctaaaacct tccatgattt ttttggtgca gtatgtataca gaatctgaac 240
 ttttataagg tcaactgtaa acaatttatct aatagttattt ctaaaacttt acctccaat 299

<210> 712
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (435)
 <223> n = A,T,C or G

<400> 712
 gttctgtgct ctgtcttcc tctanccctc agcttaatag gttgtgacca aggcaattca 60
 aggaattgttc ccaggggagg ggaactgggtg gaatgagtac ctggcaaaag gaaaggcagg 120
 gtcatgactg gccaaagacta aaggtcagaa gactttcact ggagatatcc ctccctatgc 180
 ctggaaagaaa ggaatattct tatctctgaa gacattggga aacacaataa tagctgaaaa 240
 acaggcctt ctaacttctc tccagttat tatttagatga tatattttt tccaatcata 300
 ttctccatc actacccact tctccatcag aactagcctt aaaatgcata ggtttacata 360
 ttttttagtc ttcatatcca cagttccctt gtcacactaa aactatatta agtaaattta 420
 tatgtttttc tcttg 435

<210> 713
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (334)
 <223> n = A,T,C or G

<400> 713
 ataccttatct nttagtctatt cngatgacaa agtcaataac aggacattta agagtcacag 60
 ctctgaaaac aacataaaagc atcatgggcc gtgctagaca tttaaatgca agagccattc 120
 ttttcaaagg actatgaaga cttggaccaa aacatcacag tcattcttt gtactctgga 180
 tgccgaatgt tgcaataactg tctgcccccg aacctttcca ttcttacagc aaatcaactcg 240
 tccataaaga cagactgttag tgattctaatt gcttctgtaa aatatctact tattggcact 300
 gcatcagaat aaatthaact ttatTTAAA tgct 334

<210> 714
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 714
gagctgggga tttcaaaaacn gccccgggca tcatgcctcc ggcntaattt tcntatTTT 60
ttgaagaaga gnGGGGTTc acnattttg ccccacggct gggTCTGAA ctccnnacct 120
caagggtatt cccngccntt ggnctctcaa aagtgctggn attacagggc ggnganccca 180
ccccccccca accaaaaacg ttttttttc ttantttacc cgccgggggg gaaaagaaag 240
atttattttt ggggnTTgct ttttctcccc ttgaaggaa caagaaaagg ntcccttct 300
tttcttgatt nttnaaaagn aaaactnact tnacttggng gttttttttt tttttgcc 360
ctcaaaaatt tgccctaccc caagttnnct ccctggcaag gntttttttt nttnntnaa 420
taaaaanaag cattggccnt tgnTTTTC cccccccctt tgatttttc cngncccctt 480
ncttngnccc taaaannccn ttcaaggggg gtggnnGTTn cccttttaa ccggggaaacc 540
cccgantttc caaatttctt tttttgt 567

<210> 715
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = A,T,C or G

<400> 715
cacTTCTCCT tcctGCCCTT gtatgaagaa ggatgtgttt gcttCCCTT gtGCCATGAT 60
tgtaaatttc ctgaggcCTC ctcAGCCCTG cagaactggc tagagcaatg tatcttaggc 120
tcacttaagg aagctgtaga gatgagCCCA aggagggaaa ccagaagagc cccccaggct 180
caccagttgt ttgttggCTC CCTACAAACA tgtcATTCAA gtggctaATC ttacaacagc 240
acaaattcat ctaaccagag atactctatt atagcaaaga agaaagataa ttcatTTGAG 300
ccatCCTGTT ttacaggatt ttccCTCTG gtgagtcaaa atgaacaaga agtacCCCAg 360
gacCTCCCTT ccCTCCCTGG cattaatgag atgaaggcaa ttaactcaca tagtataaaat 420
gaatcatttG aggtgatgac tgcattttAG gcaaatgtat actttCTTGG tccattgggt 480
tgcagaataaa agttacacac attgaaaaga cactgaaaca gatttCTAA atgCTTcatt 540
ttctggatgc accaatggTG acctactata catggtaat ggntttaaaa tatCACCTTA 600
aaaataaaaan gaaacttnca gctactaact cagcttGA tggcTatGA aa 652

<210> 716
<211> 485
<212> DNA
<213> Homo sapiens

<400> 716
gagctgattc ttcttaaaat gcattGCCAc gttatCTCTA acgttggctt tctgacttcc 60
ccgcggggctt cgaggaaatg aacccagttt cttaaggaaa aatgagagat aaacatcaca 120
acagaattctt aatgacactg caacaaaatc aggccaaaat gaacgaaaga aagaaaagaa 180
aagagaagag aaggaaagga aaagaaagaa aagcCTTGG tgcttGCTCA ctacaaaatg 240
aacaaattgc aagtggaaag gaaaatgttt cctttttGA gtccCTTcat acctagtgg 300
attggaaaaa cttaggaatc cttcaataac aaacactttG ccaagtGCAA ggacttggaa 360
tttCTTCTCT actgaatcta ctgAACCATG ggtcttaatt aggtgaaaca gcatcaccta 420
cagtgggatt tggTTGGGAC ccccaagtca ataatttgat tgaataaAGC tctttggaaat 480
tttcc 485

<210> 717
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(667)

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<223> n = A,T,C or G

<400> 717

gatggtagc tggcaatca actactcaga agacgatgac attcccaagt cccctcatag 60
ttgagctgca ggaaatggaa gcagttgaat gtgaatataa atacggatgt ccttagagaa 120
ctgttgcataaattacatg atcaggaaaa gagcaaaaaca atacaaaaga tcataatctc 180
aaaaatctcc tattgccatc gcagaaaaca gatccatcag acaacacgca tcccatcctc 240
tgattcaaag aagtgatgct cgttgtatt aacgctcctc catgcataaga agggctcagc 300
accacctaattgtctatat taaggatcat ccaaaccagg tcaaccccttct gagaggttcc 360
cagtccctgga gacaggtcaa aagtgaagct cagactggtc tggcacttat acagccatta 420
ggaagagatg agcagaaaag ctctaagatt ccacagccca gactggctat ggatattaaac 480
gacctgcctc caaccatcca tacctgttct ttgtntaato tggtttacc accatgcaag 540
agagacaacc aaactcatac agtcaaaaact gagtcataag accctctncc aatttttat 600
ttttgggtt tacttataat tcttactttt atacttctaa aacaattctaa ttccctggta 660
aaagact 667

<210> 718

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(679)

<223> n = A,T,C or G

<400> 718

tctggaggc tggagagtcc aaggtcgagg ggcctgcac tggcgaggc cttattgctg 60
aatcatccca cggcaggagg tggaaagagca agagagagcg agggcatgcg catgtgaaca 120
agagaaagag actgaatttg cagcctgaag cccttctatg attggcatta atccattcac 180
aaaggcagag ccctcatgac ctaaacacct ctcacttaggt cccacccctc aacagagttg 240
cattggggat taaatccca acacacgctt ttaggtgac attttcaaac catcgacact 300
tcctagtgcc cataggccag gcactgttcc tgggacttc tggaaattaa cacagtaatc 360
ctcacaaacca gcccatgaag taggtgttat tgtagtaccacc tccatgtcag aggttgagaa 420
acggaggtgc agagaggtta gtttagcatgg tgcctggcac tggcatctat ctcttactac 480
tacacataat tgctcaaaaaa tttgaangc ttccanggca agcgacatca caaatgccag 540
cataatagca agtagattct ttcaaaagaca tgaacatata ggaaaataca agntttactc 600
aatttctcaa cattttcaa actggggtcc ttggatttgg gtttgggtt aaaaattaaaa 660
ggangggctt attgccaag 679

<210> 719

<211> 592

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 719

atggatagct ctctgaaagc gggaaagcatg ccttgtttag ggagaagaga tcttgctgac 60
ccaccccttc tcttttttc tgacctgaat gtggatatgt ggtttgcctc tggctgc 120
atcagggtgac atgagggcacc aaccattgga ccaagaagac aacagccaaa gacagaagag 180
cagaaaaataa aaaggaaaaag gcctgtgtt tgataacatc aatggcagc agtaccagt 240
ccaatatgca cctgtctcca gccttcttgt gaatggatata ctacaggctt gtattgctt 300
agccatttc aactccagaa tatatttaag agttccatc tgaagtggaa ccacacatc 360
ttctttgaac ttccctaacag gcaaaacaac tgcataaaaag agataactaa ttaagttatt 420
atttgatttgcattt nctttgagga gaaaatttggat agttccatc gagaggact gggttcttgc 480
aaacttaattt cttaaaaaaa tggcttgggt gggcatcat aaaaagacac tgagntatgg 540
ggnaactgn atttaaatca tatccccaaa nttaatgcca aatagtttc at 592

<210> 720

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<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(316)
<223> n = A,T,C or G

<400> 720
ttttccggc aangnacttg anaagtngcn nccngaaagg gnggcggtgg cttgcccana 60
cncgggtgggg aagagccttgg agggtgcttgc ccgcggcagg tgacangacc cgaagattgt 120
acnanancac tctaattgcn cnaaaatagg cactatccac caaacttcctt ggccttgaga 180
atngtttacc aanaacttca aagatccctt ttgccccat cttgaaaaan gcccccccttc 240
cctataaaaaa aatcanggac ccccttgctt aaagnnaaac aantgcccccc cttgttnaaat 300
aaaaattgttgg gaaaaaa 316

<210> 721
<211> 184
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 721
gcaccgngan cntcaactcat tnncgannnc tgcattgttg ttggctgatg tcataactg 60
ttccctctatg atcacaagaa ttccctatattt agaactgcat atgggtgccc gttggtaac 120
ngtttcaagt tgaaagaatt ttgcattttt tggttattgtt ctagaatgaa ataatcttaa 180
tccg 184

<210> 722
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 722
gactctgggg agctcctgca ttaagtcaagn aactgnncat taccagancc nagcgagctt 60
ntgacaatcg cncnnntagcc cttcggtctgc aatcattttt tccgtcagag tcatacatgag 120
ctgacgggtt ttggagctgg aacacttaaa ctggccaca agaaaagtgttgc 180
catctgtttc cagaaagctt ccatctgtga aatgagcaca agcagcaaga agtgagggtga 240
aaaacttact taagaaaagcc aaacgggtcg tgcttggaa ttacaattca ctccttatca 300
caaacaaga ttctaaacaa ttctacagtt tcagtggat ttatcttggca acaatcaccc 360
ttctacagtg aagttcttgc ttgttccatt gnctgggtcc agtgtcaagt cagtttgca 420
atgggttttc agcagacacg agagcactgc tgctaaggaa agaaaagcagt agcttgccca 480
gcttacagac tcttgcacag gtcattacag ctacctangg gctgatgaaa tgtgacaatg 540
ggctcatgga agcttggca attttaaatgg gattaaata ctttcctgaa gt 592

<210> 723
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)

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<223> n = A,T,C or G

<400> 723
tctggggagc tcctgcatta agtcnactgn natcctaaac gaaggcagac atcaacattt 60
ctggatttag ggtccagagt gctcaccatt acaccatgga acctcaaacc agacatcaac 120
gtctctaattt agtctttctt tattccaata aaagaaaaatg gtcagtg 167

<210> 724
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 724
gaacaagct acatTTATA aaggaAGCAC agtgactct tggacaACAC ggatttGAAC 60
tgcacGGGTC cacttACACA tggattttCTC tccGCCTCTG acagCAAGAC aaACTCCTCC 120
tttCCGCTT CCTTCACCTC agcCTATTCA atgtaAGAT gatgAGGATG aAGACCTTA 180
tgataAAAGAA tagAGCAACT ggACATCAGC AAAAAGTGA atcttCACCA AAAACTCCCA 240
ccttataCAA AAAATTAACT caaACTGAC cacAGACTTA atgtaAAACA taAGACTATA 300
aaACTTCAg ATAAAAAACAG aAGAAAAGTT ttCAggACt agAGCTACAA aACTAGTTCT 360
tagaatttGAT gCcnaaAGCn CCACCCCCCA agAAAATTa attGGGnCTT tttCAAAGTT 420
aaaancCTT gntcacAAA agaccTNTT angcAGATGA aaAGAGTAGC tgcaGAC 477

<210> 725
<211> 188
<212> DNA
<213> Homo sapiens

<400> 725
gaaatctgga ccATCTGCTG gggagaAAAtC tgTTTCTTTG caggataAAA tgCTCCtAC 60
aaatgtaaaa gCTTTATAT CCCAGGACTG ttattcaAAg cacCTTAAg cTCAGCTTCT 120
tacAGCGCCg tCTGAAAAAAA tacAAAACAA cAGCTATGTC ttGCAAGTAA aATCAATGGT 180
ttcCTCAC 188

<210> 726
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 726
aagggtctgc agagtctgca ggtggcgCgc acattcgtca tgatgctgaa gagatgagca 60
gagtgtttAG tctggggccc agcgcactca tctggaAGCA tgcAGCGGA gCCGCGGGAC 120
agctGCCACG gacggcAGTG gccccggatt catgtcccga gtctgaAGAG agtCCtCCC 180
tggcTTTtG gTTTtgggg cctcctAGTG tcctccccAC acttcgttt agtctctgt 240
cttgCAGCAT cAGCAGTCC cacttCTTT ctggcAGGGC tgcAGCTGCA gacAGCATCT 300
ccAGCTAGTT cacAGGTGGC CGCCCTAGGC cacGGGCTT ccctGGGGAT gaAGGACCT 360
caaATGAAAGA atggcactt tcatAGGACT gttcAGGTT acAGGGTCAC cccttCCTGT 420
ccCTACCTTA gACTCCAAc cccatcgtc cacGGGCTT ggcctCCTCT ggaAGGAAGC 480
tcAGATTGg agcctctgca gggcAGGGAG cctgtggaa ccAGCCANG gCcAGCCGGC 540
tcattCCTGG aattCCTTACt tcctctcaCT gccCTGGGTT tggcAccANG tgctgAGTGG 600
gcCTCANGCC aactgtggc atgggctcga tgccgctgct ttcttCTCA catcaaggna 660
ttcAGCCGNA ttctACCCCA aa 682

<210> 727

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<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(663)
<223> n = A,T,C or G

<400> 727
tgattggctc tttactggaa atatgcagaa gtgactccct cccagaaaaca gccttgactg 60
gtgtcattcc agcctcactt caagggcaga gacctggttc tcagttagat catcacagcc 120
acagaggacc aaggccccca agagactcaa catgcaatgt cagcaatgca gtgccttaaa 180
gaacatctgt ctaccatga ctaccacagt ggagaatgag gaaattgaga cccatagagg 240
aaaagtgaac tagtcaatat caaccccaa gttagagacc aaggtaatg gagaaacttt 300
gtgagagata tggctgctg gtaactaact tgtggactca agggcctcac accctcaagg 360
tcggacaact tccccaaaat gtcacattct gagacagggt aaccaggc ttggcctct 420
gctgctgttt cctcttcctt tcaaaggcaa gcaccatgga taggcctgct ctgcagctcc 480
aaccctggg gtccccaggg tcatgctcag tgaattctt ctttctggct ggacacttgg 540
agcttgcgt tccccagagt tctggtcang ctcttnccat ctcttgcct gaaaagaaac 600
tcaaggcctt nccaagtggg agccatcacc actggatggn cagcacccaa atctcacc 660
cga 663

<210> 728
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 728
gnatcntccn ctnggcntc cnaannntn gggatcccnc cngtcntnt cagactgtta 60
caactgaaga aaggccctc ggagatcatc cagcccatcc ccctcatttc acagcgaaga 120
tgtgagctgg aagcttcaca gaaacacaca gctcccgagc ttcaagt aatcatgtag 180
tgggttgttt ttttctgtc cctgagaagc tggagtagg tccttggatg cattacagat 240
caagagacaa aatgaaacag taattatgat tctgaaattt ctcataatta gatccacagc 300
caggcagtct cactcagatt aatgagactg agttctgat tcccagtggc ccataaggc 360
gtgaaggttc aagagggtc aattagatca atgagtttt ttagttattc atttgataaa 420
gcattgcattt gcactgtgtg caaagctctg agcttaggtac tggctgtat aaaggattac 480
tatatagtagt gaatctgtgt ttaagaaaaa gaaccccaa gaacctgatt gcctgggat 540
agaatccnat ctttgtcaa gttgaatgtat gaagaataag 580

<210> 729
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 729
gggagctcct gcttagtca gactggggcc tgccttcgat ggatcaagct ggcacccca 60
gatcaataaa ctggctcatc tggcttgng gcctccatcc aagtaccaac tcagtgcag 120
aagacagctt cgaccccgta tgatttaatc tccaaacctga ccaatcagca ctctactcc 180
ctggcccccctt acccacccaa taatcctcaa aaaaacccag tctccaaattt ttcaggaaag 240
actgatttga gtaataataa aactctgtc tccgttc 278

<210> 730

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<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 730
tttaagtact ctgggnnct ancctgcctt tnngncatca atttnnnnn ttttngaaat 60
gggaggacct tttcaacga cnctgggtt ntttgtggcg ttcccttgc gggAACcngn 120
ngntctttt ngttngtgag aaanttcngn gattccttgg aatttcnct tactttnct 180
ttgcntgggt natnccctta ttgggtngcc gggctggan tttttttgc ttttaatnc 240
nattgtgggt gtcttncaaa ngaaaaccnc ttttagaagg gcaaanaaag gccaaaaaaa 300
gcnnattatt ncctgggnnt tcttccttgc cnngaaaaaa gggaaaaaaa aggacccccc 360
caagccangg ggccaaaggg gggaccnan aaaccccgct caaaggcccc nccaaaaaaa 420
ccttnggccca aaggcccacc caangggccc nagcnnanaaa gggggaaaaaa gaaaaantg 480
gacctttgn aagggaaggg cttncccttgg ttgttnttgg aaaaccggc angttggat 540
tttttaccaa ccaaattatt gtttcccac ctcttcttgc ccttgnctt tctttttttt 600
ggaaaatggg ggttttcnt ttttcccat ttttcattt tacccaccct ttttggcnnntt 660
tgggnaaaaaa gaaattgggg atttaaatttgg ggattttctt 700

<210> 731
<211> 353
<212> DNA
<213> Homo sapiens

<400> 731
ggcttactc tgtcacccag gttggagtgc aatagtgc aa tcttggctt ctgcagcctt 60
gaactcccggtt ctcaagcaat cctccacccct ctggctactg agtagtggg attgcagggtc 120
aagccaaaaaa gtgatcgcc attctttac cgggttccag ccaactctgt ccgctaacc 180
ctatgacaga ggagatggga aaataattga gctgctaccc aggaaggcac aaacatttcc 240
tgtggtgagg acttaggaag cagtgcagg aatcgggcca tcggaaggcc taagcacact 300
ggcacaagggtt tttctgcccc tagcaaggaa ctgacaataa agtcaagtga agc 353

<210> 732
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 732
gttagtgacn tcattataca ctgcagccag aaatctctcc aacttttca tgctactcat 60
tcaagcaacc agacatcagg ttccactact atcttcttca gaaaagctat ccagatcaaa 120
gcagaagccc aactctcttc tgctgcgtt caacaggac tgcttacgtc cagatcatcc 180
cagaggatttgc ctgtgttagc tctatttagtt ctaccttctt tgagaactgc tacatagcta 240
ccattcaata aaataaatctt cagcgtt 266

<210> 733
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

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<400> 733
cacacagctt cctgagcaac tttccaccccccattcatg cctaacttga aaagtgtgtg 60
ctgaatgtgg atggacagtc attcttagggc agaagccatg gaaatccaag gactggactg 120
aagaagatct agatgccca tctctagct atccgtctag gctatccgc tgagacaagg 180
ccttcgtcag cccagctcac atatggata tttcagccag cgagagctca actaactgca 240
gaacatccag cactgcatgt catatcggtt caccacttg ctgagggcaa gcccagcatg 300
gttgggtctg aagctgactt gaagagctga gagttcaaga cttgtcactg ggtcccaaaa 360
aggccctgtg agcctggagg cagagcccg tcctgtctca accaccaggc tcaggactgg 420
gggtttccc gaggatagag tnacaccgc gcgcgcacac acacacacac acacacacac 480
acacacattc attctgtttt atggnggagc tcctttctta tggagagaca cttttcaata 540
aaaagaacat atagggtgct tnttctgaa gctgcactgg ctttcgcta ccccaaaacc 600
tcttctattc agggagtccc tntntggnt gggagcacca acactggct taanaactcc 660
ctggcattac ttttccaa 679

<210> 734
<211> 375
<212> DNA
<213> Homo sapiens

<400> 734
agtctcgctt tgcacccat gctggagcgc aatggcatga tcttggctcg ctgcaaccc 60
cgcttcccg gttcaagtga ttctcctgccc tcagcctcca gaagagggtgg gattagaggc 120
atgcaccacc acactggct gatTTTgtt ttcaccatct ctaccaggcc aggctggct 180
tgaactcccg acctcaggtg atccacccac ctcagcctcc caaaatgctg ggattaaagg 240
cgtgagccac catgcccagc tgctcaacat ttcaaacaga agttaatta tgaaaagaga 300
attaaatggc aatTTTacc agtaagacat aagcctaaca tcattgactg agagaagtaa 360
atgtgtcaa aagat 375

<210> 735
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 735
tcctggcctc ctccagngag atgtttagtggat ggttagcca gaatccactc ctacccctga 60
tggatccctt cactgaccgt cccgccccacga ccactcctgg gctgtaaatc ctcacttgc 120
cttgctgtat ttggatggat gtccagttt aagttcaag agttcaaga gtcctgaggg 180
ctcatttctc ctattgaaat agttcctgag taaaatctgc tttatggct ct 232

<210> 736
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 736
actgagccaa agccaaaatg aacatgtgcc ttgtactaag aaatcccagg attgtcacaa 60
cttgtccag ctgtttaggt tggacacctt gtccagcat cggccgtct gcccactgtc 120
atctgttcca actgttccat ctgcactgtt tggatccattt ctcatttc tgcatctgca 180
ccttcgtcag aaacgtttcc aacaatgcca gctgtgtcat tggatccaaa tatgccagat 240
gttctatttgc tccaccctgg gccaaatcaa tgcagtttgc tggatccattt tttatggct 300
tagattctat ttacaattt tttgatttgn attttgatttgc aatccaggca aatccccct 360
ttcaaaagatt ttgtgtctat ctatccatct ctttgcacc ccaactttat atctgacaac 420
atgaagttgg tcaatgttat tcccgatctt attaaaccan ccaatatta agtngggta 480

ggggcatttc ctacccgtgt nagactatat atcgcaaaaa ccatgcaaca tagggataag 540
 ttggcaaaag tnanntaaaa aagaatacac t 571

<210> 737
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 737
 tgggctcctc cctcnagctc ctgtgatctg .gtgggtggggg gccaccacc ctcctgcttc 60
 agtgatcaag aactgaccaa gcttgctcat cccaagcccc cagccacaag caataggga 120
 tcccggtaaa ggtttgcga cctaagctgg tngtcatgaa gccatcaaga tgatccctct 180
 ttctgtttgg agggtgctaa atccggcagg ggcattgaa gcctgggatt tactaagcaa 240
 gaagccttgc cttgaaaagat gccaccaagc acaagaagat gggccaaaac canaggagcc 300
 taagaagaag acangaatct caagttgatg atatcttcaa gccatccaag aattccagcc 360
 caccatcttgc aaagttaaa aagtcttgc caagggactc ttgagggtag aaggaaagg 420
 taatacattt ttgtatcaag ggaaatttga aagtggggc ttctttt 468

<210> 738
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 738
 acccaggtga ccgctcacct ccccttcctc ctggagcctt gaagtggag gccctgagcc 60
 atggacggtt tctgaggatc gggttagcgt atctggccgg agaaattggc aacatttgct 120
 acgaataaaa cccaagcggtt tccagc 146

<210> 739
 <211> 693
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(693)
 <223> n = A,T,C or G

<400> 739
 ttctcacag gacaacaccc gtcatgtgtc aacaactgtg tgaagaatga caaaaagaca 60
 ataggacaag ctcatttcct gagctttag ccgcagaatt gggccaggtg cttttatcc 120
 tcacagctgc tctgcaagcc tttgccctgc ttactagact gaaaatcatg ataaagctga 180
 gactttccct gactcacctt tgaatccctt atgaatctgc cgagctaaga agaccacctg 240
 acacttagtg gatactaatt caacagtgtg ctgacccagt atgcaaagga ccatgggcaa 300
 tactctgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgnrc cctctcttc acactttgca 360
 aagcttgaaa anggaagttt gcantgacca ttttatatat tgganaccag cgtatatggg 420
 aaantgangc attaagaaga aatataacnt gctttaaact acacatcaac tgnantggca 480
 naactcgag ntagatggat gagattngc cccacaaga cttacaaggt gtntngaaag 540
 gngttnctgn aagaaantan catttnaann canctgnngg gagnnaanaa aaaccctnt 600
 gncatngnag nnngggcntn atccancccg gngnggggca aaannnaaca aacanngggc 660
 nnngggaaaa gcnnnntttt tttttaaagt ttg 693

<210> 740
 <211> 181
 <212> DNA
 <213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(181)
<223> n = A,T,C or G

<400> 740
tggggagctc ctgcattaaag tcagaactng aggtggaggn cccnnncattc ntccanagga 60
tgcngrcanca agacaccntn ttggaagcag agcagccctc accagacacc aaatcgcca 120
gcccatgtat ctttagacttc ccagcctcca gaactatgaa aaataaattt cttttgttta 180
t                                         181

<210> 741
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 741
aaatatggaa ttcaaaaaggc catthaagaan aaaagaaaatt ctcaagttcc ttctgaattt 60
ctaataaacac gggaaatgag gcttcagtgc tcaacatgcc aacatgcttq gaaattcttc 120
aataccatga cctctaaaag cccagctaat ttagtgaaaa gagaaacaag ggtcctgcat 180
accaatgaaa ctgctgacat cagctgatct gaatgaccctt acaaaaaagct tacatacaca 240
aagaatgcag tttcacatc ctaatcattt catttcctt accctgacca atcaatgatc 300
ccaatttgcg agtcccatac cctccacaat tttttttttt acccccagatc agtataattcc 360
ttggggagat ggatttttgtt gtttctgcc atctccttgc ttggctgtcc tgtgatcttt 420
aaacactttt tctgctgcaa ccctgctgtc tcagtgatcg gatatgttac tgtgcagagg 480
gcatatgaag ctgttggcct ataatattat gatggcatta gtggccttat aagaattaag 540
aagagaagcc nggcacattc gcacgcacct gtgtccctt ctactcanga ngctgaggca 600
ggaggattgc ttganccccca ggagttaaag gctgcagnng gctttganca tttntttgan 660
nanccactgn actcttaccc gaacaaccca                                         689

<210> 742
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 742
ctggggagct cctgcattaa gtccacctgn ttgagtacaa ngntngggnc aacttttact 60
gttcttacca ttgaaaaaga agtgctgagg ccagggatgg tggctcacac ctgtaatccc 120
agcactttgg gatggccgagg cagctggatc acttgggttc aagagttcaa gaccagattg 180
ggcgacatgg tgaaaaccccg tctctactac aaatacgaaa attagccatt gtggtggcac 240
acgcctgtaa tcccagctac tcaggaggct gatgtgggag aactgaaccc tggaggtgga 300
gattgcagtg agccaagatg gcgctactgt gctccagcct gggcaacaaa gcaacactat 360
tttttaataa aataaataaag tgctgagatc tcagaaaataa c                                         401

<210> 743
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

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<400> 743
gtgtcaggcc tctgagcccc agctaagccca tcataatcccc tgtgatctgc acctacacat 60
ccagatggcc tgaagaagt gaagatccac aaaagaagtg aaaatagcct taactgatgg 120
cattccacca ttgtgattt tttctgcctc accctaactg atcaatgtac tttgaaatct 180
cccacaccct taagaagggtt cttttaattt ctccccaccc ctgagaatgt acttttgtag 240
atccacccctc tgcccgcaaa acattgctct taactccacc gcctatccca aaacctatag 300
gagctaatga taatccacca ccctttgctg actcctttt cggaactcagc cgcgcctgcac 360
ccgggtgaaa taaaacaacct tgctgntcac accaannnnn nnnnnnnnnn 420
nngggggggg gggggggggg cctttt 446

<210> 744
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 744
gtgatcatat gaatgaattt aatgtttaaa aatcacctga caactacttg cagggggtaa 60
agtggaaaagt gggcaaggcc aaggcatgc tacagaatgt gactgagcaa cagggggatc 120
acttcagctg ggtatggaaa ggaaagcctc caggaggagt tgacatcgaa tcacaggta 180
atcctaanaaa gtcagttttt caaagatcta ggaaagaaac agctaagttt ctaagggtgcc 240
cagatttcat attgctcaaa cacacatgct ctacaaacaa ttatatacaga caacggcaat 300
catcaccagg atcctggaga cgagatacat cctcagctt ngaaaagaaga cggggattaa 360
agaagattaa aaggaccncng gncttcgga aaaactttttn aaaagtccctn nntttgnag 420
gnaanagnna aataaaaangg tcccatggna aatcttttcc caaatttttnttcaaaaa 480
gactngcagg taaaagaaca 500

<210> 745
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 745
gtgctgtggc tcacacctgt aatcctagca caccagccga ggcaggagga tcacttgagg 60
tcaggagtgc gagaccagcc tggccaaat ggtgaaaccc catctctacc aaaaatacaa 120
gaattggccg agcgtatgtt cccacgcctg taagtccaaac tactcaggag gctgaggcgg 180
gagaatagct tgaacactggg agacaaaggc tacagtggc tgagattgtg ccactgtact 240
ccagcatggg cgacagagtg agaccctgtc caaaaaaaaaca aaacaaaaca aaacaaaaca 300
agacttattt caatggactt gtccctctg tgtcatcattt caatcatctc tgtaagttaa 360
aatcctgnng gngggggacaa cccnaaaagg gggggaaangg ttttaatttt tnncctttg 420
aaagtancaa aaaggggaca cctgnccantg ggggaaggat ttcaaaaaag ttccccatgc 480
ccttcatgaa gtttt 495

<210> 746
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 746

gctcttcccc agtctggagt acagtagggt gttcttgct cactgaaacc tctacccct 60
 gggtaaggc aatttcctg cctcagccac atggagtatt gctctgtgc ccaggctgga 120
 gtacaatggc gcgatcttgg ttcacagtaa cttccgcctc ctgggttcaa gtgattcccc 180
 tgcctcagct tcccaattct ggaggctgga agtccacgat caaggtgcca gcatggtcag 240
 tttttgtcc tggctcatag gccgccccca tcttgccatc ttcacaaaaga agaggtgtac 300
 tcacgtgacc tctccttgc gcacaagagg agagagttag caagtgaact cttgggtgact 360
 cccctacaag gacactaacc ctattnttgg agggggcccccc ccctggaaac tnnnttnaac 420
 ntaataaccc nattaaacc tggctccaaa aacagcccat tggactttg 469

<210> 747
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 747
 aagcgcctaa gaaatgcctg tgacgttcgtaactatgtg attgtgaatt ccaaatttga 60
 tgccaactt atgtgtaaaag aagctaactc ctggcaacat cgtggctgaa tgaacagctg 120
 ggactatgct taaccattc ccagcttata aaagccccat ggcagctgca gtgaagcattc 180
 agattatgtg atgcaacaaa attcaaataat gaaaaccatc ttggaggccg ggcgcgggtgg 240
 ctcatgcctt taatcccagc actttggag gccgaggcac ggtgcctcac acctgtatc 300
 ccagcactt aggaggctga ggcggccga tcacctgagg tcgagagttc gagaccagcc 360
 tggccaacat gaanaaaactc cattttttc ttaataatcca aaaatttnc cgccttgggg 420
 nnatgcctt gtattccac ntnctcgaa ggctgaggca ggaaaattt 469

<210> 748
 <211> 79
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(79)
 <223> n = A,T,C or G

<400> 748
 acaggaaatttcccttgcgt acgnatcata ggtgactata ttacctgtcc aaantgaata 60
 aacacanaatt taaaaagcg 79

<210> 749
 <211> 251
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(251)
 <223> n = A,T,C or G

<400> 749
 tcccccaacc ttggaaatng ccaaccggcn ccaancaatt ggnnttanct tgcaaccctc 60
 caaatttcctt ggggcttcaa aaanaccttt tttttaaacc ttccccaanc aagctggggg 120
 aactacaagg cggggggccnc cactttgaaa cctcgggctt aatantggga aggttaattt 180
 ctaaaatgtatc ttgnaaaaat ccttaatcca atattaaggg gaaaaataaaa agggttttt 240
 taaaatgggt t 251

<210> 750
 <211> 487
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
<222> (1) ... (487)

<223> n = A, T, C or G

<400> 750

ggggaaaagaa	ggcggaaagca	cgaacggctt	aatttaggaag	nccnnncnctt	anttgacact	60
ccccactgga	aacaccccacn	ttgaacaact	attcacacaa	agaaggcacct	tngtaagaac	120
caaaaatcg	gngccagaca	gaaagnnatn	tntntgctna	actganacaa	atgcacnatt	180
cattgagcca	gactaaggca	taagngacta	ttcctctatg	ttccccaaaca	tgtaaaattgt	240
ggattcaggg	aaaggctgat	tgaagagtca	ttaagaatgt	agcatttttg	ngttttattt	300
ccttggAACCA	caccttatct	anctggaact	gtccccctccc	cgccccncca	attctgnncnt	360
gttttgagag	ntcctgcctt	tctggaccaa	attnatnggc	cttttnnacc	canggggggg	420
gnngggggaaa	attccctaa	aagggggaaa	agggagcggt	nccctgcnnn	cttgagcaca	480
tgttgccc						487

<210> 751

<211> 148

<212> DNA

<213> Homo sapiens

<400> 751

gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagac 60
agccctcacc agacaccaaa tcggccagcc cattgatctt agacttcca gcctccagaa 120
ctataaaaaa taaatttctt ttgtttat 148

<210> 752

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
<222> (1) ... (455)

<223> n = A, T, C or G

<400> 752

cttccagagg	ctgcctgcat	cacttcgttt	ggggccccctt	cctccatctt	caacaggagg	60
ttgagttcct	catcacataaa	catcaactcg	accttgcgttt	ctgcctcgct	cttccacttc	120
taaaaagcccc	agtgattaca	ctggactcat	ccaaataacc	cagatcata	atctccctctc	180
caggatctt	tctgcggcc	caggctggag	tgcagtggtt	tgtggaaaac	tgaactcatc	240
tttataattc	cttttttatt	gagacttacc	tagaataatt	aacatttggaa	ttaattaaaa	300
aacagttctt	ttgtcaaact	taacccaatt	ctccaaatact	tttgttaggtc	accttcttta	360
ataacaatca	gaggaagaat	tttctgactc	tttaaaaaaaaa	aganctaaaa	aaanaanctt	420
tatngccanc	acataangcn	tttttttcg	ggccc			455

<210> 753

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
<222> (1) ... (433)

<223> n = A, T, C or G

<400> 753

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atgttgcctg tattagtcca tttcacact gctgatgaag gcatacccgaa gactggaaag 60
aaaaggaggt ttaatggact tacagttcca cgtggctggg gaggcctcac aatcatatca 120
gaaggtcaca gctgatgcaa gaggcaggct cccacagcct tgagcagctc tgccccctgtg 180
gctttgcagg gtatagctcc attcctgact gctttcgtagg gctgggtgttgcatgtctgtg 240

```

gctttccag gcacacagtg caagttgttgaagatctac cattctagcg tctggaggat 300
 ggtggccctc ttctcacagc tccaaattat atgctggata tacaagagac tcatgacc 360
 aactgggaca acaggaatgg ctttctggaa naaaaanaat ttgggncccc aaccnngaaa 420
 aaaaaaaaaacc cg 433

<210> 754
 <211> 74
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(74)
 <223> n = A,T,C or G

<400> 754
 ataccta aaa agggagttgn ttaatgtct aacaacacag aaggaataa aagtgcctgt 60
 gattaaagtg ct 74

<210> 755
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 755
 atgcatttgt cattgaagaa aaacatctt caaaggaagt taaaagaga acccagatga 60
 atatttc ttc agatgaacca caaataagtt ctgatttcaa catgttctac aactcccc 120
 agctgagaag ctaaagacgg ttctacaata tcatttcca aaggcatcac agggtttagc 180
 tgctaatgca ataaagtggt tttgtcttgaagcacgca acatcatgaa taacattgtc 240
 atctggaaac aatgagccaa taggcaccat ttgtgttgc aaccgagcag gcttgcttga 300
 ttgtggatgc agatatgccc accctacgta agttgacatt ttgtacagac tagaagaaat 360
 gtgtggatgc agatcaataa agaagtaact 390

<210> 756
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 756
 gtgaggcac aagcaatcct ccagaggatg cagcaacaag acaccatctt ggaagcagag 60
 cagccctcac cagacaccaa atcggccagc ccattgatct tagacttccc agcctccaga 120
 actataaaaa ataaatttctt ttcgttat 149

<210> 757
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 757
 aaccgaggaa ctgacacaat gtccataata agaaaaagaa ggaaaagtaa gaatttcaaa 60
 taatccacaa actgaaaaaa tgagattgaa tgaatttc tttcaaaaggc aaagaaaaagt 120
 taaacagtgg cttctacaag aaaggtgaac tccttataaa tgaaaaaatg acctttgctg 180
 catttggatgttgc aacattatcc gtccctttg agggtagtgt catctgataa 240
 catttttagt tcatggaaa ttccggaaa cagaacagca cacagaaagg actgacctat 300
 ttctctttaga gtaacatcct cgtggctcat ccacgagaaa ggacctgaa accttgaagt 360
 attctgtggatccctgtgng tacacagntc tttttttaaa anaactttaa naccttacc 420
 ttngnggat tgnctttaaa gggaaaa 447

```

<210> 758
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 758
atacttcctt ttatctctta tcttcccacc tgagccacca gttcatagag ggtatgaatg 60
tctgactgcc tccaggcata cagccagaac tcactgtgtc tggacgggccc tcatactaca 120
gcctccaccc ctccaacccct cctctgcgac agactgtggc tatgttcttc ctgctgaaca 180
ccacctctgc cctgtatggct cctgcaacctt ggacaaaagtg acaagggtgaa gttcaggagg 240
ctctgtgttg ctgaagaatt ggccttgagg ttatTCatg cctgaatgac cagtggttta 300
ctaccagaat catctggctt cctgcaagga agatttgggg cttggtatct gttcccctct 360
cagactcagc agacacctaa ccaccgctga aagtcaactga aatcgatnt ttnccctcnc 420
aaaaanggnn tcttnanntt tggattcncc aaagggacag aggaaaaggg gg 472

<210> 759
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 759
ggatacaccca ggcagaatgg agaaaactgag acatcctggc aaatttgatg aggtccccaa 60
ggctctaat ttggaaatacg tcctcttagca acgacctgag gcttaacatc tgctgattct 120
gtgctactgt aagatagtcc tttagttact gggcttgaaa agcagggttcc tcttttaacc 180
tctgggattt cttaacagtt gctaccgggtg gtatgtatcac ctgatgtatgt acttttagcc 240
aactgtgtgt catcaatagg ggtttgtctg tttaaagaa cattcaaaga aaaggaatgg 300
ctagtcatac ataggagatc ttgttagctg ggatthaagg gagacttaga gaaaagctaa 360
cgggaaaagg acgtgcattt tggangaaaag gggggcngct gtnaccnntt taaaaaccct 420
ttt 423

<210> 760
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 760
ctgaacacctga ctgatagaag agctaaactg atgaagcctt cagatacttt ttttttttaa 60
nactntnact ccgtngctta cactggagng caggggngat catagntnac tgcagcctcn 120
aactccngag ctnaangngat cctctngctt naccttcctg antagctggg actacaggct 180
ngggncacca tacctactat tttnattttt ttatgganac aggctntcan tatgttgacn 240
anactggtn tgaacttctg gtatnaagca atcctccac cttggcctcc caaagngctg 300
ggattacagg cttgaccac ctcgtntagg caaaaaaaaacag ctnaatgggtt ccagtctttc 360
agtcctgctc ctggccaaca ntggacctt naaaggttaa ccaagttctt tttcaggggcc 420
gttggnaaaa aaaccctta tngttggaaa ccaaaaaagg gggtt 465

<210> 761
<211> 427
<212> DNA

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<213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G
 <400> 761
 gtaggcagg tggaaacctg ccccagctgc tgcaagtata tcagacttgt tctctggc 60
 atagccatga agacacaacc acagccttca tggattctc cactcctgat ctccagct 120
 aatatctgga ctaacaagaa acttaggact ctgaccagat gtaaaattaa catgtttgg 180
 aagcggcaga gtaatgccca accaacttt ccccaacatg gggcataaac attgtAACAT 240
 ccagtccaaa tgtcaatcca gtttctcag agataactgc tctaataaa gaatgtgtgc 300
 ttgtacagag ttgtgtatgt gaatatgtaa atttattta tgccataatc tcactacagt 360
 acatcaaaca gagatgcaga atgnatcaaaa ttcttcaact anacagnnn gggcagggtt 420
 cacaac 427
 <210> 762
 <211> 435
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G
 <400> 762
 agtctcaactc tattatccag gctgcagg gg tggatctca gtcactgca aactctgtct 60
 ccgggttcag gctattctca tgcctcagcc tcctgagtag ctgggactac agttcacagc 120
 cgcgggtggcc tccagcctga ggattctcct gatacatgct actaagggt cacctgtgct 180
 tgcccttctcc ctgggagctg tcgactcaca gttactctg taggttgaat acatgccatc 240
 tgctctactc cctgttcaaa gccactcagc cataaaggaa taaaatagga agaagcgaat 300
 ggcaatggag atgaaaaaag tgtcaacaat atttggaaag acataagttg ttggacaaa 360
 agacttcgaa tttaacgtca gtttctcca ttctgcttag nngctattcc tggagaaanc 420
 cattaaagaa taatt 435
 <210> 763
 <211> 202
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(202)
 <223> n = A,T,C or G
 <400> 763
 ncaannnnn tngtggaaanc gacacatgca ttactgtaac ccacgaccac aggatgata 60
 agatcattcc ttccatccca gaagaccctt catgcacctt cccagtcac actccctact 120
 tcaagacagc cactgttctg gtttcttca tcaaagataa gtttcccag ttgttagacct 180
 tcaaataaaat gaaatcatac ag 202
 <210> 764
 <211> 292
 <212> DNA
 <213> Homo sapiens
 <400> 764
 agatggatct cgaactcctg ggctcaagcg atccttcac cttggcctct caagtagctg 60
 ggaccacatt tgctcaccag ctggcccaag accagactgg gcaacatggg tcattcctc 120
 ctaagattcc aggaccatga tcatccctt attgctactt ctttagatcag ctgtaatgt 180
 ccatctcccc caccagactg cgtctccagc atctctgagt ccccaaggcc tggcctgggg 240

cttgctacat ggtgggtgct cagtaactgt gaggtaaata aatgaatgaa tt 292
 <210> 765
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 765
 atggagaaaac tgaggccttag agtggtaac aacttgccca aggtcataca gctggaaagg 60
 agtgtacctg aaattaaaat caaattgtct gattccttca aaaaaaaaaa aaaaaaaaaagg 120
 g 121

<210> 766
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(528)
 <223> n = A,T,C or G

<400> 766
 acctaactna aaataaaatgt gaagannaaa cacgaagctc tatgacacac ttgatcnaat 60
 atgacaaaca ccnaaaattn ctactcagtg cacttacatt gcgccttacat attctggcct 120
 tactactgtg ggccgcngc ntcaggtcga aaccttctgg cttnnnttgcg ggactccttc 180
 tggntggca attgcagaca cttgttgagc aaatcatcaa ggggagcaag caagtgtaca 240
 ggtacaccta acgcacgcac gcccaccttgc cgtgcctcggt gtgtacgcgt gcgtgcctgc 300
 ttcatgtgcg aagcatcgtg gcggggctcg cctccaagct tcagcgaagc ctccgtgccc 360
 tccccccgtg cgttgctcat gtgccgtgcg ttgtgcgggc ttcaactttc gggcttcaac 420
 gcagtttga aagaagcaga agccttgaa ccaanangaa tctcaaagta tgtggtnngct 480
 tgcaaaaacccttctcgct tggcctgnnaa naaaatccaa gggactct 528

<210> 767
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 767
 gtatgagac cagatcctgc agcccgtagc ttaggaagag cagtctctac ggaggaggcag 60
 gaaccaggac tcccatagtc tctctctgc ctctgtgc tctggccaaac agccgtgtcg 120
 ccttggcctc gaaccttggc gcctgcctca ccaggagaca gaatcaagga caggggcctc 180
 gccttggcac caggtggccc ttcgtgtgcg tacataaaca cttttcccag gatatgaata 240
 aggtccacag gcactcggga ggaatgggtg tttgcgttacggtaag gagaccagga 300
 tgcatttgc 309

<210> 768
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 768
 agaagaaaaa ggcctccac agagaatggc caagccaggtaactgctatt tcccaacaga 60
 aatgaaaaact ggaattgagc catgtggaaa gatggaccag gccacaagaa ggtcttcggg 120
 acaaccctga aagaggtgac ccagggagac agatccagg gtccttcaaa atcactgctg 180
 gcaggagcaa agatcaagat aggtgaaacc tgatattcaa atgcaggcgt gaaaaaagaa 240
 taggcacagt ggttcataca tgaatctca gagctttggg aggccgaggc aggaggatcg 300
 tttgaggcca agattcaag gctacagtga gctatgattg caccactgca ctccagcctg 360
 ggtgacagag caagactcggtc 384

<210> 769
 <211> 368
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(368)

<223> n = A,T,C or G

<400> 769

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gagaggcaac gttcaccat gttgaccagg ctgcacgggg tccattttg tgctcaccgt 60
tattcctaca gcctcacaga atcctggaca caaagaaaga cttaacaggg ttcatcatt 120
cctgaaccaa agcggctgaa cgatgtcaac aggaccagag aggctacagg aacgccatat 180
tttcttctac atctctttt taaaaaatct tatttcaatg gagtcaaact caataaggtg 240
aattaaagga aaaagagctg acccaaaca acaagcaa ac agaaacctt tctgtcctgt 300
aatgtttagg cgcaagataa gaagtgc aaaaagcta attaaagg 360
tttggtttg 368
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<210> 770

<211> 439

<212> DNA

<213> Homo sapiens

<400> 770

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atgcagcaag aagggtgcgt ctatgaggaa tggccctta agaaacctag aacctgatgg 60
cacgttatttc ttcgacttcc cggtcgctc aactgtcatg catgctgtt ctgatctgct 120
atctcatctt gtcgggtggc atatggcagc agagccaggc ctgcagctcc tccagatcct 180
gatggatctc cttcagcatc tcagaaggct agatttagt catgtaccag ctgtgcagct 240
ctacctacat ggttaggtaa ctttccata aaagtgaaga aagccccgt aaaaatttttt 300
caatgaatca agactctgta taaaatcagt tggctaaaag gagagcacat ctgctcaatt 360
ctgctgttta tgcaacatgc tacagaatga attaaaagc caaactttt attaaaatga 420
caaaattttagg acaaggaa 439
```

<210> 771

<211> 211

<212> DNA

<213> Homo sapiens

<400> 771

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ggctcattt ttttgcctt gctggagtgc agcgatatga tcaccactca ctgcagccctt 60
gacttcctgg gctcaagtag atcctccac ctcagccctcc cacatacgta gaactacaga 120
gttactcca ttgctgactc ctcattgaac actttgtgc accaacccaa ccaactcaga 180
gggttagaga attgttttagg acccctcc 211
```

<210> 772

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 772

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gctccatcg attacaggag acgtcagaaa ctgtAACGCG catggctttc tcccgtcctg 60
gaattttcat cggtgatcat gactgccacc cctaccgcgc aatttcacaa gtgggctctt 120
ataatccac aacagccctc tgacagaggc actgttatca ccccgcttta aaggagagga 180
agccggcgaaa caccgtggct cacacctgtt atcgacgcac ttccggaggc caaggtggc 240
ggatcagcag gtcaggagac tgagaccatc ctggctaaaca cagtggaaacc ccgtctctac 300
taaaaaataca aaaaaaaatgg taggcaggcg tgatggaca cccctgttag tcccaactac 360
tcgggaaact gaggcaagag aattgtcgaa acccgaaagg ggcaanggtt gcagtggc 420
gaaaatcactc tcatgtctc tagccctggt gacagaacaa gactttgtc tcaaaaaa 477
```

<210> 773

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<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 773
atctacctac gttaagttag nnnactanan ggccaacaga anactngaa aaaanggaag 60
ggaananaaga aaaagaangc accaactctg caaagtctn tggaatctgg gaagtcaagc 120
ganggctnt gccttntca tggtagccct tttagcagcaag tttagcctgg ttaagtccaa 180
gtcgaattgg ctcgcgtggc ctatattgaa ttctatatgg ggcggctat nggccaaat 240
tcttttggct ttttaccctg gggaaagaaa atactcatta aagccacctn ttgttattta 300
cccccaaattc ttcacaaagg aaaaaaaaaac naactcccag caaaagccct ttttggcnt 360
ngnacctggc tcctttgaa aaccagtgtt gcctngccca nngaatncct ttgccccctt 420
gtgccccccgc ccttacnact tcnatcccccc accttacnct ttggtcccac ttcttgncc 480
ggncnacaag nttaaagtc canggtccnt ccattncctt ttcttccac ttcatattaa 540
cccacctaaa agaaaaagcc cttcctt 567

<210> 774
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 774
ccgctcatat tcagggcang angtaaacagn gcggaattta anacgcaaag naagattttg 60
ttggagaana aatgagattt ctttgncnag gaaccagccc gncctttga gcaagttcaa 120
gcctggtaa gtccaaagctg aattggcctc cgctggccta tatngaattc tatatgggcc 180
ngctattggg ccaaattctt ttggctttt aaccctggg aaggaaaata acttcaataa 240
aggccccccn tntngttttt aacccttccat tcttttnana aagaaaaaaa acgg 294

<210> 775
<211> 217
<212> DNA
<213> Homo sapiens

<400> 775
ggaccacact tcacaaaagg gagcaagaag gcagataacg gcaaagaaaa atgttttag 60
tttactgtgg aggaccaagt gagtttatac agatgtttac ctcctttggg attatttgct 120
gctggctaga atgaaaagac aaacattccc ttcaaacagt atgccattgc ctaataattt 180
tgcagactca aatgaaaatcc aaccaaattc agaattt 217

<210> 776
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

<400> 776
gcatcagcaa actttggcan cagaaagcan aggactccag gcactgctca tccctacagg 60
ctgctgggtg aacaccctcg ccaaagaagg agactgcaga aatcctcctt gatggtatca 120
gctcactctc tcttaatgt tcatccactt ttaatttta acaactaata aacatgtaa 180

```

taacacggtc c

191

<210> 777

<211> 284

<212> DNA

<213> Homo sapiens

<400> 777

agtaaataat ttcaagtact gaactaattg ctggctcata aggcggagtg ctactgcatt 60
tctgaacagc aggctcaact gtctaaaaca cctttctaa agcatgaagg aggctgatgg 120
ccatgtcaac gtttcctca agatcaagga atcaatcctt tacgttgtgt aatgaaagga 180
ttcattctgt tgatttcccc catacaaatt atgtgttcca cagatgaatt tctgcttcaa 240
cctctcgaaa ggcttaataa aaggccttga ggcttgaaa tgac 284

<210> 778

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(102)

<223> n = A,T,C or G

<400> 778

ggacaaagct tggccgcna gntctccctt tggcaccccc ccaccctcct tggnacaang 60
cctgatgtnn agtcttgggt gcgactcata ccggcctggg aa 102

<210> 779

<211> 369

<212> DNA

<213> Homo sapiens

<400> 779

gagtcaccag gttcacggaa caagctccaa caagcacccct gtgctcagcc acatggcacc 60
tctcctgggt tctgcccatt ctgcgcggcc tctgctctgc tcaaatggct acttaccttg 120
aagagcttcc cctcttaggct ctacctgaac ctcaactctct tcgggaatca gaagataaat 180
catttccaca caatatccga aaaggatgtc actctttcta ctatgtattg tggattctaa 240
gacacacacg gttttcaca cttggacatc tctgaagctg gggatgtatc ttataatcca 300
agttgctcag ttataattag catttttct ttctcagtgaa tatataaaac aatgatacaa 360
cttc当地
369

<210> 780

<211> 174

<212> DNA

<213> Homo sapiens

<400> 780

ggacatctga atcaagctat gtaaaggcaa aacctacctc atgctcagag actcagcatc 60
ctcactgaat gcgtcatcac gcctgatgaa gcacaagaga aaacaagaga aactgaagat 120
catctatatt tagtgctaga aaagaatcac aaataaatat taataatcac actc 174

<210> 781

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(359)

<223> n = A,T,C or G

<400> 781

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gtcatgtgac ccaagaccat cccataagcc ntgantttng ganttttgtt ggancngcnn 60
ggaaaaanana actttncntt cattggantt ggaatggann agggcggtca gtttgaattt 120
gcaggggnctt gccttgcggc ccatggggaa gggcttgccg aggactggaa nctaccaagg 180
agggaggcag aggacaccgg atgtgggtga aaatacgggc cctaacacat cattttganc 240
cttggattca cccctgcctg gccttgaac caatacatta ggccccaaat atattatnng 300
gaatatataat attnggaat atggtgtatt tagaanccaa tttatttagaa acccaattt 359

<210> 782
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(194)
<223> n = A,T,C or G

<400> 782
tgggatcaaa gaaagcacca gtttctgaag acattnaata cctgaggnc caagactagc 60
acaaaacttca tttttaaaac aatctacgtt gccttgtttt atgtntaaga tccaaangtg 120
ctagacnagt tctttattgt caatctacca tgtgtgcgac cancaacnnt taaggatgac 180
ttttgttaaa tatac 194

<210> 783
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 783
gtggcaaccc tgcataaaatc aaatctatca ancaccattt ttccaacaac atatgctcac 60
ttttcatntg ggtcangcat tttttancaa tattttaaaaa ttaagatact gccatctttt 120
gcaaaattgaa ggtttgcgga aaccctgcat ggaggaagtg tatcggcgcc atttttccaa 180
cagcatgcgc tcacatttgcg tctttttca cattcccccta aagagggaaa cagcacagga 240
ctggggcagtg caatgcttcc atagtgcacc tcattgcgtg gaccgttccc ctgaggctgg 300
tgggcaagcc agcgcaccc aaccctactt gtgatcaacc cactccccat gggaaagtctt 360
gccttggtg gcaagtgttt ccatagtaaa 390

<210> 784
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 784
ctnacntntn nagtccaaact gagnannaan gcattggctc nganggagng aaggnnattc 60
cttnagaggc cacaaaccag ggaacgccan gggcggtca agctaccaga agagccagga 120
gaggaaccag ggatgggttc tttgccttac agccctcaga ggcgcaccc ccgctgacac 180
ctggatctcc attccatagcc tccagaactg tgcaagagta ccgtttctgc ctctttctgt 240
agaaaaccac ccagggtgtg gtgatttgc tgccagcccc cgacactctg gcaagctcca 300
tcccagcgctc ccctccccc atcagctgtg acctcatgtt cctctccctgg actctgttgg 360
actcatggca agaatatctt aataaacgca tgttaaagc 399

<210> 785
<211> 117

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 785
gactctggga gctcctgctt ananctnnnn tggtagaatt ggaagctaaa gctaccaaag 60
acgttagaaag aaatcttagc agggatttag tgcaagaaga agaacagttg atggaag 117

<210> 786
<211> 262
<212> DNA
<213> Homo sapiens

<400> 786
gaagcccctc tggatgcagt ccaccagaga ggaggcagtcc attatcaaag aagattatgt 60
gggctggaga cccaatgcag gagggaaagca gcaggagttt ctgggaggat ggcagaggaa 120
gatgacggga taactgcact ccaggtggca aaagcaaccc atcctgacag gacagtgtga 180
cccaagagcc atgcacagta agggatata tcgccatgcc ctctgcctca tgcaatctta 240
aataaatatg aatataattca ac 262

<210> 787
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 787
gnnggaaagc tagncgnncn tgnannncga gtgctggagg aagnctgnan acatctacnc 60
cacacanaan naagncnatn attnacaggg catttacta atnanangcc atgctgggnn 120
ngcagnggtg canttngnc tnactgaann ctctgantgg ngggtcaac gatccctccc 180
acctcagcct cccgagtagc tgggactaca gaaattatttc ctttgcaagg ggtgcaaagg 240
atcagcacgg gagtttgac ctgctccgtt tccgacctgg gtcgggtcac ccctccttag 300
gcaaccctgc gttccccgc tccaggagg tcaccctttt gatgctgaat ttagcacgga 360
cacctgatgg gcacagtgc ctgcagccca gagtcctga gctcaagcca tcctcctgcc 420
tcaacacnca agtagccagg accacaggcc ccccccctgn gggaaagaaa taccaggtgc 480
gcatgctca anaaaaagcc gctgaggacc cg 513

<210> 788
<211> 284
<212> DNA
<213> Homo sapiens

<400> 788
gaagccaact ctcagggctc tcctcccgctt ctgttctctc atgccccttg gtggaggctc 60
ccagatggac gctcagacac ggaaggtcca gggagatgctc tggatctgcc gccatgtggg 120
tggaccaagc tggatccctcc attggaaagcc tctgtcccggt gccacatcct ccctgggttc 180
cagtccccac ctgcagggtt gacaatttagg caatttgatt tactaaggag aagacaaaaga 240
aagaaaaagga gaaatatttc aagaaaaaaaa agactgtgaa aaag 284

<210> 789
<211> 400
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 789
ctggggagct cctgcattaa nnncnganttg ttggnntgt gtnacagana aagactcggn 60
gaatgccnca canngatgaa ggcangtcat gcatctacaa ggccaagaaa tgtcaaagac 120
tgcctgcaaa ccaccagaag ctaagagcaa aagcacaaaa gcgattctct cccacagccc 180
tcagaaggaa ccaaccctac agacatctt attcaggtg tggagcctcc agaactgtaa 240
gacaacaaat atctgctgtt ctaagctact tagcttgtga taatttgtca aggcaaccct 300
aggaataaaa tacagggAAC ttcaaaaaaaaaaaa aaaaggcngg nnggnncnnt naantnggn 360
nttancnagn cngantttgt tnaaaagggg ggggggggggg 400

<210> 790
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 790
gactctgggg agctcgattc tcctgcctna ccctcccnag tagccaggac tacagtgtcg 60
aggtcatgaa agccactgaa agactgagaa ctgttccaga aaggagacta gagagacatg 120
gcagccaaat gctccacata atcctgtcct ggattttct cctacaaagg aaggggctcg 180
aggatttaggt ggtagtaactg aatcaagaa ctatcatctc ctattgtgct gttaggatctt 240
ggcagccaga ccccagctcc cactttccct gaaagctccc ttaatgaag ctgaacgctg 300
tcccagcaat tccctccaca gaagacctac tgtcaccacc tctggagggg caattcctgg 360
aggaaccaag tcagccaaatc gaaggtcctg aataagcaa aactaagtaa ataaattacc 420
atctcgaaag tg 432

<210> 791
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 791
gtgactagaa gcatcagggg acctgcccata gacacacccca gagggcagag gggactagt 60
tccaaggagc aggttcaagc acatggggg gaaaagaatg aagctgtttt ctccttgc 120
cctccaagggt tctccctta caatatacta cttacctcgat ttctcccttga attctcaata 180
tcctgctagc ccagcagggtt gaaagatgtc atcagcacgg tgactggctg agatcaaatc 240
ccatTTTGC acttaatgggt ttgttagggaa gtagacagaa tgctatccctc cacgtacctt 300
gattcaactt tctgtacgt gtggataatc gtaggatcta cctcatggag ctattngaa 360
gattaaccag ccacaaagat cttaaatcgt ggtctagctc atggtaagtg ctcataatcaat 420
gatagcaatt tatcatcatn cctcttcant ggaanaccct gatgttcatc aaaaaattta 480
atgctcatta acctctaaag aaaaanggaa aggagaaaga 520

<210> 792
<211> 350
<212> DNA
<213> Homo sapiens

<400> 792
gtccctgctt ctcatctaca actgaagggtt gcatcttcc ttAAAAGCCA ttaacggtca 60
tctactgtcc atggggcggg ggtggagctg attcatacag aatttgagaa tcttgcctt 120
cttaccatct aaagatgact caaaagcttc ttacatccaa atgaaacggtc tcacttcgtt 180

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cgtaaagaat gtggcatctt tagggttgcc ttcacagtga cactatgaaa acctggatga 240
 cagcaacggc ggtggcagca aagtaaagca gcaaagtaaa aaaaaatcct gtttgtaat 300
 ctcccttgt caaatcaccc acctaactgg aaaataaatt cttaaacatc 350

<210> 793
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 793
 gctatacaaa actgggtgt ggccagagtt tgatttctgt ctccctgggt tgatgaaaga 60
 ggctttgaga aaaagatgca gggaaaactca agacaggatg ccatgctgct tttggacatt 120
 accaaaaaca gcagaagagg gagccccgc aaggggact ggtatgacct ttatgatgga 180
 gaagaaagtg attaccccct ttctgcctc gcagccacaa aacagatcaa aaccttattc 240
 agaacaagct aacagactct aagaaaatta tctaagacat gaaagtatgt gaattgttac 300
 agcaatcaga aaagaattaa aaaatttaaa aatgcatttt aggagcaaag actaaacaac 360
 aaataaacac aacatgtaat gccctaagaa aaacagaggg gtgaaaatg 409

<210> 794
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

<400> 794
 cagnacctga gtggctaagc tcctacntcc tttctggaa ggnncnttcct gaccncacac 60
 atgagccata tnctnttcat acngacantn tatinggttag ggaaaggcaa catttggaaag 120
 gactggacnt tttaccttaa ggggattta aaaaatcacc acaatggact attatcacaa 180
 cntnggattc aaaatttatg gatttccctt cttttgggtt accccaaaagg tggacttngg 240
 aagaaaaaga ngaagttggg agcttaaaat aaacccg 276

<210> 795
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> n = A,T,C or G

<400> 795
 atggagtctt cctctgtcnt ccaggctgga ttgcaagtgg caggatctcg gcttactaca 60
 acctccgcct cccgagttcg agtgatttc ctgcctcagt ctctggagta gctggaaata 120
 caggcaccca cttcgtgcc cagctaattt tttttgtta tttttgtaga gaccgggtt 180
 caccatgtt gccactctgg tcttgaactc ctgacctcag gtgatccgcc cacctctgcc 240
 tcccaaagtg ctgggatgac aggcttcagc caccgtgccc agccaagatc aagttgttgt 300
 tggcagggct gcactccctg caaaggctgt aggagacaac ccatcttgc ttcttcagct 360
 tcttagggct tccgcagcat gccttggcgt gccttgctt nggctgcatt actccaatct 420
 ctgcctgnat ggcaaaaatac cttctnctgg gccatctatc ttccctgnggn cacttataag 480
 gacaggtatc attgaaatta atggccctcc 510

<210> 796
 <211> 255
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(255)
 <223> n = A,T,C or G

 <400> 796
 atggcagctc tcaagatctg tccggaaaag tctagaagcc tccagattc taatcaacag 60
 actagcgctc ctcctctgt a ctgaggaac aagatccaa ggagacagga gaaagaagag 120
 aatnccttc tngtttnggc cntaaccnn gaancanant ngnccntgan cntngtaat 180
 aagtacatt tctgcagagg tgcttgacgt tcacaccgtt tggattgctt tattaaaaga 240
 ctcttttag agccc 255

 <210> 797
 <211> 450
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

 <400> 797
 ttgaatacaa ggatgtggc aactatactg ttcttaccgt tgaaaaagaa gtgctgaggc 60
 caggcatggt ggctcacacc tctaattcca gcactttggg atgccgaggc agctggatca 120
 cttgtggta agagttcaag accagattgg gcgcacatgtat gaaaccccggt ctctactaca 180
 aatacgaaaa tttagccattt tggtggcaca cgcctgtat cccagctact caggaggctg 240
 atgtgggaga actgaaccct ggaggtggag attgcagtga gccaagatgg cgctactgtg 300
 ctccaacctg ggcaacaaaa caacactatg tttaaataa ataaataagt gctngatct 360
 tcngaaaaat aaaaggnnan nnaagnnnn nccnngngc caattaacct tgggaatttna 420
 ccnggntgan gttttttaa aggggggggg 450

 <210> 798
 <211> 206
 <212> DNA
 <213> Homo sapiens

 <400> 798
 ggctttactc cagttgccc ggctggagta cactggtgtg atctcagccc actacagcct 60
 tgacctcccg gactaagggtg tttctccac ctagcttgat gactttattt gtgtactttt 120
 ctgtattcca aatcctttgt aatgactatt gtaaaggatt acattatgga gctcaattat 180
 ttaggaata aatccctcag acactt 206

 <210> 799
 <211> 571
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

 <400> 799
 gagctctgg gagctcctgc attaagtctag aacttgaann ggagcttaat ggtggccncc 60
 aagctngang tgnccaccggg aggtcttaa cttactggaa ncttngctt ccgggttcaa 120
 gccaatctt nacctaacc tnccgagtag ctgggattac agacgcccc ccttatgctc 180
 ggntaattt ccgantttg gaaaaaagg gnttcacat tttggccagg ctggncttga 240
 actcttgacc tcangtgatt cgccctgc ttggcttaa aagtgtggg aatacaggcg 300
 tgagccaccc ngcccaaccc aaacgtttat ttcttaattt acaggtcagg gggaaagaaa 360
 gntttatttt gttttgctt ttcccttgag gaactgaatg gtttctcctt tctgaattt 420
 aaggaaaata acttactggg ggtctcttt ttgcctcaaa aatttgcattt cccagtaagn 480
 cccttgacg tctgttattt ttataanca acaatgccc ctttttcccc nccctgaatt 540
 ttcttgggt ctactggct taaccctcat g 571

gcttatgtgg gactgctt cttcncagaa cagtggctan natgacantt ttattatgat 60
 ncacttccac ttaatgaaca gcctgagccc ctccaccttn tgccatngt ggaaggcagcc 120
 tgaggacctt cccnaaggc agantctggt ggcatgctcc ttgtccaatc tgcagaacta 180
 tgagccaaat aaaccattt tctttataaa tt 212

<210> 804
 <211> 323
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(323)
 <223> n = A,T,C or G

<400> 804
 attattttgc ccttctgcct tcttccatgg gaaaactgc aatgaaagcc ctggccacat 60
 gcanccccctt catgttggac ttnccagtcn tnagaaccat gagccaanta aacttctatt 120
 gtttatnaac tactannatc tcagggatct tggatccgga gcacncantg gtcttnaca 180
 ttaataatg tgaaaatgcnt tggagtnntgc tttgtacatg atnagcactg antaaatatt 240
 anagatcctt angnggganc nnntncatgn tacctctctt ataataat tt aaaagttata 300
 aaaccaaaaaa gccttcgaac tgt 323

<210> 805
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G

<400> 805
 acccgagtctc gttctgtcac caggctggag tgcagtggcg caatctcgcc tcattgcaac 60
 ctccacacctc caggttcaag tgagtctcct gcctcagcct ccccagtagc tgggactaca 120
 ggcgcacacc aacacaccca gctaattttt gtatTTTtag taaagacggg gtttcacccat 180
 gttggccagg atggctcga tctcttgacc tcgtgaccca cccaccttgg cctcccaaag 240
 tgcagggatt atagggtgtga gccgctgtgc ccagccgccc ctgaatgtat ttcttaccac 300
 caatctgttc agtcattact attccttccc ctttctctaa gtaccatggg aaatgaagca 360
 taaagcactc aaagtccaag gaaaaggcaa cattcaggat cagttncaga atgtctgnct 420
 ctttcagacc catgctccca ccagttggc atgcattctt caacttggat gcctatg 477

<210> 806
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 806
 ttttttcta gtgttcaaag gccggcgat catgaggtca ggagttcgag accagcctga 60
 ccaacatggt gaaacccgt cttaactaaa aataaaaaaa ttagcctggc atgggtggcgc 120
 gcacctgtaa tccccatctac tcaggcggt gaggcagaag aatcgottga acccgggagg 180
 cggaggttgc agcgagccaa gatcacaacca ctgcactcca gcctggcga cagagcaaga 240
 cttcgtctca aaaaagaaaa aaaaagaatt tttttaaaaa cttcaataaa aacttaggtc 300
 ccattaaatg gttaaatctgg ctcc 324

<210> 807
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 807
 ctatgtcctg cttctccact tacaagggtca tatgcaactc gaatctctgt ctacccacct 60

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ggcatccacc cttccagacc ctgcttaaat gctacccctt caaatgccaa cgaactccaa 120
aactcggtt ttcattctgg tggaaagctga tctctccctc cttggcagcc tgtgtccccg 180
tgatgcgtt tgtaaacttg cagctacttt gatcttgct tggattgtac ttgggtctta 240
ccttaaccct tggtccagat ggcaaatacg gacagccct gtgagctc 288

<210> 808
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 808
gactgccccca gtctcacaaaa atcccttcct tcttagcagac tgagtccacac aagaataagg 60
agagtgaagt ctacatgtt gggactagag tgaatcgaaag ctttctgga aggagctccg 120
tgaacctggc tttgagaatc tataaaaaac aagccaagta aaatgtccaa gaggttagtgg 180
tgctgaagaa tccaagaact ttccgaaaata cttcacaaaa ctatcacaaaa tgttattccaa 240
taaaaacattt tgcgatagca nannaaaacg aaaaaat 277

<210> 809
<211> 418
<212> DNA
<213> Homo sapiens

<400> 809
gaaaagcacc aaggatggag cagcctggcc tttgccccat gctggccct gcaggtgcaa 60
agggagaact actgctaattt ggacagagaa ggtccatgt gcacatggtg cagagatcaa 120
caggcttga gcctccagag ctgtcagcct agtgctttc atgcgcctta aaagtgaatc 180
agagagaaaa caaagaaggg tcactcttga gatcttcagt ccctggcatt gctggaagta 240
aatatgaagc atctgggaga aacagagact atattcaaaa gtttacataa aactgaacag 300
aggagggagg cgagaggggg tgactggta tggccagag taaaaaaaga aaaagaatcc 360
tttcaataa tattggagaa ctcctactac tcatttcattca gtaaaagcca atggaact 418

<210> 810
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 810
gagtctggga gctcctgctt aagtnnaact gagttgaata canggatgtg gtcaactata 60
ctgttcttac cattgaaaaaa gaagtgttga ggccaggcat ggtggctcac acctgttaatc 120
ccagcacttt gggatgccga ggcagcttga tcacttgcgg tcaagagttc aagaccagat 180
tgggcgacat ggtgaaaccc cgtctctact acaaatacga aaatttagcca ttgtggtggc 240
acacgcctgt aatcccagct actcaggagg ctgatgtggg agaactgaac cctggaggtg 300
gagattgcag tgagccaaga tggcgctact gtgctccagc ctgggcaaca aagcaacact 360
atgtttaaa taaataaata agtgcgtgaga tctc 394

<210> 811
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)

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<223> n = A,T,C or G

<400> 811

gttccttaggc cccatccgag gcactgaata acaatctaca gggaaagaag acatcagtca 60
gattccaaaaa cctcccacgg tctggcgata aacatcaagg aatcaatggc agaataacttt 120
cctgagaaaat tactccatgc ccttgggtct agtgaagcct atttcatcca tctcgaggg 180
tccatattct gtgagaaaat ggccccgtca ctcaagagtg atgaaatccg tggagcacgg 240
ctgggctaga aatgattacc aaagccccgtt aggagatgcc aacagagact atattaacca 300
tcattccctc tgtcacagca atcttgaatg aaagaggaaa gaagactttc tgctggttat 360
gnatcttcg ggaatcatct gacagcttat ttattaaatg catattaatat taattctnct 420
tgnactctag ctgacccctca gaaacattcn cgagtcntta agaacccaa agc 473

<210> 812

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 812

gcgttatgtt tattgagagg aacatctgan gctgcgcant ctctaaggaa aagagggtta 60
tttggctcac tgntctgcng gctgtacnnn aagcatggca cctgcacatcg ctcctatatn 120
agttgnccgc tntgnccct cacacacaaa gggnggtgtt aagaagttac ttcaaggact 180
gatgtcagaa gcnaagnact atattgnntt tctgttagtt tctattagta gattttgtat 240
gttacagaat atagaacttag cagaatacaa tgaatctaa tgaaccattt attaccctgc 300
t 301

<210> 813

<211> 370

<212> DNA

<213> Homo sapiens

<400> 813

gaactgagggtt gaatacagg atgtggtcaa ctatactgtt cttaccattt aaaaagaagt 60
gctgaggcca ggcattggc ttcacacccgt taatcccacgc actttgggat gccgaggcag 120
ctggatcaact tgtggtcaag agttcaagac cagattgggc gacatggtga aaccccgct 180
ctactacaaa tacgaaaatt agccattgtt gtggcacacg cctgtaatcc cagctactca 240
ggaggctgtat gtgggagaac tgaaccctgg aggtggagat tgcagtggc caagatggc 300
ctacttgtgc tccagcctgg gcaacaaagc aacactatgt tttaataaaa taaaataagt 360
ctgagatctc 370

<210> 814

<211> 212

<212> DNA

<213> Homo sapiens

<400> 814

gtctctggct ccaaagagtgt tacacctgag gagttgttagc caagggtttt catcctcaac 60
tcacctgtatc cagagcatga gatctaagac tgtgaacctg atgcaatatt gggatgagac 120
ccatggagat cctgaaatgg gaatgagaat attttctata tggaaaaat gtgaataagt 180
ttcaaccaga cagcagtctg tggtagattt cc 212

<210> 815

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(196)

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<223> n = A,T,C or G

<400> 815
atcattccctc tggggaaac caattgccat gtcataagca gccctgttga gaggaccaca 60
tgatgagggt gtaaggctcc tgccaactgc catgttngt agcttggAAC tgcagcaatg 120
gctgacatnt tgacttggaa ctttacgtga gacctntgg attcctgacc cacagaagct 180
gcntgagata ataaat 196

<210> 816
<211> 188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 816
agactggatc tcactacttg cctagcttta gaactcctgg cctcaagcaa tcctcctgcc 60
tcaacccccc aaagtgcgtt gattacagga gtgagccact atgcncaca tggattattt 120
attattgtta ntaatactac attgtgcctc ataaataatt gctaaatata caagaatatg 180
tttgttcc 188

<210> 817
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 817
gctctgaggg gctccaagaa gctgggtctg tctgtgtact caagcaggc ngcatccctg 60
ggggctacgt caccaaccac atctacacccat ggggggaccc gcagggccgc agcatctccc 120
caacttcggg cctgcctccag ccccacgggt gtgccttgc gcagcaggag ggtgaccgg 180
ggagcacccct gcaccccttgc caaggagggg atgagaaaaaa ggtgagttgg gtggggaaag 240
gaggccagcc tctcagacac cgtattctcc ctccgaaccc agaacagcag agtgccttgg 300
aggccgcagaa aagaggctgg ttctgtccag gctctgttta ccctcaagtc tgtactgaaa 360
gggtggngtt tttctttgc tttctttt gacc 394

<210> 818
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 818
ggtttaccag gtaangtcgt tttcctggga aaaagaacga gttgaaagga agagcaagga 60
tccgctccgg acctcaactcc tatattttgc tgagatgaaa accacaatcc ctgcactgcg 120
agactcatct cataattaga aaacaaagga ttatccaccc ggttcttcc cctcgccctg 180
tggccttgc gctccccctgc agttgctcca aatgacaaaaaa taatgacggg ttgccttgc 240
gagagagggt ggcctgctca actccacgct ggcgtctga gggggccaga agatgcctcg 300
tctcattttat gttgcaaaaca gccttaaaaaa ggacctgcag ggcgtctggc gtgggtggctc 360
acgcctgtaa tcccagcaact ttgggaggct gg 392

<210> 819

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<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 819
gcaaagatta aaacacatat catgcccggg cgcagcaggc tcacgcctgt aatcccagaa 60
cttgggagg ccgaggcggg tggatcacct gaggtcagga gttcaagacc agcttagcca 120
acatgtatcaa actccatctc tacaaaaata caaaaattcg ccaggtgcgg tggcagatgc 180
ctgtatccc agtactcgg gaggctgagg cagggagaatc gcttgaacct gggaggcaga 240
tggcagtg agtgcagatc acgccattgc actccagect gggcacaag aatgagactc 300
cgtctcaaaa aaaaaacaaa aaaaaccccn cncntntnaa aaggtcctgg aatcatttan 360
ntnatggtn taanaaaactt gaatttt 387

<210> 820
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 820
ttgtctattt cnccaaaggg tanaagttct tggataaaaa acctngnttg aacngaaaan 60
ggtttggaaa agtggganac ttgcgggtga tgaatnaaan aatgaantgc cattggnnang 120
ctcttggtgg atggaaaatg gataaagaag tggaaagaaa tcancttcg cttdccctttg 180
cagaactggg ccctatgatc tggatgggtg ggatgatgcg cctggaaac aagtcaagca 240
agcaacttcc cggaaaggac aaccgaagat aagcacctt tcacaaacact tcggggaaac 300
cggtcattttt ccccgcttga aacttctcac caagcattgg gccccatctn ggggggnngt 360
gttcttctt tctttgggtg cacttgact tggcttgggtg gccccaaacac aatgttgctt 420
ggcttacaa gcancttgg ngggcntttc ctccgataaa aggggaatcca ctttcctta 480
attnnttnc taaatttttt ttttngggg aatcccnggg aanacccccc cttccaagcc 540
ccttggaaagt nnnaggggact taanccttg gggcttttn ttttnaaaaa aaaccaaaaaa 600
gggggtttttt ttttggaaagg aanaaaaccc tttttt 636

<210> 821
<211> 395
<212> DNA
<213> Homo sapiens

<400> 821
agacagagtt ttgccatgtt gccaggctg gcctggaaact cctgggtca agcagtcttc 60
ccaccttggc ctcccaaagt gttgcgatta caggcatgag ccactctgcc aggccaagaa 120
gtctttctta acggacccat tccaagcact tcaaccctag agtttgcatt gcagtgcct 180
gcgtttccct tcaggccagt aataggattc tggatggcgc atgggccttg gtattaattc 240
ctgccagccc acacctgatc ccaggcacac agcaagcatt gttgaaagga tgaaggcgcc 300
aacctccacc tacttcacca cttcatctt gtccaaatact gtccaaactc actttggaga 360
agaataaaaca ttcttgctc tactttccac tgctc 395

<210> 822
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(143)

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<223> n = A,T,C or G

<400> 822
 gtcataagaa gcttacagca ttctgtgta tactgctgaa gagtggtggt ggttggagga 60
 agcanatggc atgaaccctg cttccctcta agagggtgtg aaatgtatg attcaggcct 120
 ttaaattaaa tgcataaaaga ttc 143

<210> 823
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 823
 tcagacttgg ctccacaact ggaacaggcc acagcttgcg aaagagccc tgagtcaatt 60
 caacagagat gagctggga agagagagga aataagaatc ctaccatga ttcaagtac 120
 tggtaaatcg ctgcctacat cttcattat gctcaacgg gatctcatga tttgtctga 180
 ttctaaatct ttctgctcca tggtaaccc caaaatcaac agccctgtga ttatggtaa 240
 accagaattc cggcagccac tggaggggag cagaacaggc ttggatatca ttcaaagcct 300
 cattcccaga gaattgtcat tatttgaact gtttagtggt tttctggaag accccacttg 360
 caagaatgtc ttatattgac ctgacctgct cagtgctaaa aatctagggc catttgtgc 420
 gctcaattaa aaaccattgg tt 442

<210> 824
 <211> 625
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 824
 ataagtgnnt ctccaaagaat gatcccnnaga ctngctaant gatgcntgga ctttctactc 60
 tggatggatgg ccntannncgg aaagcnttgg ttgaaccnnnc aaanatgggg atcaaggncn 120
 ttgaacaaa gangggatct ganccaccc ttctccngca cagcttggt naangaaaag 180
 gctattcacc ttntggactt gaggcnacaa caagacaatn ctgcttgctt ntatgccn 240
 ccngngntccc gncttgc当地 gngcaaaagg gcccgggt tcttttgn aaagaccnng 300
 ccttgc当地 ggttgc当地 gaaatggaaa ctgccangac ccaggcaagc gccgggctat 360
 ccgtgggctt gggccacaga cnagggccgt tccttgc当地 aacttggc当地 tcnggacagt 420
 ttgtcacttg aaaccgggaa aaggggactn ggcttgc当地 tttgggccc当地 aaaattgccc 480
 cgggccaang aacccctc当地 gtcaatctc aanccttgc当地 tccttgc当地 aaaaaaaagn 540
 aatccccatca ttgggggttg aaggcaaata gccggcnggg nttggataaa cnccttgaa 600
 tacccggntt ancttggcca ttttgc 625

<210> 825
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 825
 gaaatgacca gtgctttggtaa gatggatgca cattataactg cagttcttgc当地 ggaaatgaaag 60
 ccacccttgc当地 ctgaggtat catcgttca aaggcaactc cttgtttat ctttgc当地 120
 attgcttgc当地 gaaataacca gacaatataa tttatgacaa c 161

<210> 826
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 826
 aggagaatgt gctggctctg atgttcagtg acaaggaaac agagagaggt aggaaggcct 60
 gaaccagcca agagacttta cctgaggtaa aaattcctct tccttcaatg cctcaatca 120

ggatctgaa gttggaaaat aataaaagct tgtacagatt cc 162
 <210> 827
 <211> 505
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

 <400> 827
 ctgttgatat cgatggaaatt cctgaccagt aacatttcca tgaagatcat tacaattttat 60
 ttcttggaaac tctggggagg catggaaaca tcacattgca gcagatgctg gggatgcagc 120
 aatgaacaag acaggccaga tccctactct cagataaaca caatgatcca ggtcagtagg 180
 catttggtag gaatctgcat ccaaactgttgg ggcataatgtt gacagcaaca ttgacgtctg 240
 taaatttaca ctggatttt aagtttctgg ntggctgcat ctttcttctg aaagccactg 300
 ctctttcaa aaaaacctcc taaatggcta aanctctctg ggttgcacaaca agttgcctt 360
 tttcctttag ccttaagtta aggagtttgg gnagaagataa tggctcccc cactgctaac 420
 ttcaaggngc tacactttct ctttcttaag ttcctaattt ggcttacnca ttataaaaaaa 480
 cccttantna aaaatccccca attat 505

 <210> 828
 <211> 350
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

 <400> 828
 aatcaaaaaag aaggatggga caaaaatcag caaacgtaaa agaaaaaaagt aggccaggca 60
 tggggctca cccctgcaat cctagtacgc tgcgaggccc aggtggggcgg atcgctttag 120
 cccagagttc cagaccagct tggcaaccg tggtaaacc ccgtgtctac aaaaaaaaaaaa 180
 tttagcctgt agtcccagct gcttggggagg ccgaggcagg tggatcgcta ggactcggga 240
 ggcggcagct gcagtgagcc aagatggcgc catctcactt cacctggcn acanagcaag 300
 accctgttcc caaaaaaaaaa ggaaaataaaa aaagtnntaa aaaaaaaaaatttt 350

 <210> 829
 <211> 479
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

 <400> 829
 agacctaat tataacaagg ctgcaggagt tccctgtggc catccggacc ctgggcagac 60
 tgcaggaact ggggttccat aacaacaaca tcaaggccat cccagaaaaag gccttcatgg 120
 ggaaccctct gctacagacg atatctctga atggtgcctat ggacatccag gagttttccag 180
 atctcaagg caccaccagg ctggagatcc tgaccctgac cccgcgcaggc atccggctgc 240
 tcccatggg gatgtgccaa cagctgccc ggctcccgat cctgtgagtg ctcacaagaa 300
 ttctacatgc ttggcattgt gcccctaccc ccatgtccc caaaaaagctt cttctgttcc 360
 tgcctaaatgg tgcattttcc tttctggaga atgggagccaa cataagctt cttctgttcc 420
 taccctaaaaa agaaccgggt ttgaagnaca agttttggcc ttactaactg gaatggatt 479

 <210> 830
 <211> 505

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 833
gagactcctt gtggagggga gcccctgccc gctcacctgg atgaccatgc ctcacctctg 60
ccgatcacat gcaaataattt gtcctgttct gagacatcct cctgggtccc agtttcttct 120
cttgaagata cagattcca gtgcaccatc agaagccgga gtaactgtga gtgggaggca 180
ttggagccgg ctgggaggta agcattcggg ccagcaggaa ggaggagtctg cccatgttagc 240
agtgcgtggat gacaacatcc ccacactgccc ctcggacaca tcacagaccc tggtaccaca 300
ggatccctctt gattcaactg aagaagagat gcanaagctt gcatgccacc aagtaactaa 360
ttcggtttttc tcttttata tccattgagc agtgtgcagt gttggcaca tgacacgtac 420
ttgtcat 427

<210> 834

<211> 427

<212> DNA

<213> Homo sapiens

<400> 834
gaaaactctct ggatggcgaa aacttctcaa agtccataac atttatactga cacctcaact 60
gtgaattttac atttcatattt catgagtctc atgtctgcaaa ctaggttgatg gtgaccttga 120
gaacgagggg atcaagagcc ttgtccagca ctgggagtgg aggtgggtgg aaatcccgga 180
cccccggtcc accagccttgc gcctcctgca gatgcttaggc tcaggatgaa gtgcggccga 240
agactgctgg gaaaagaaaa gaaagagccccc taatgtgcca tatcgggcaaa gccgtggggt 300
ggcccactaa ctgctttttt atgattggca cttactggct ctgatttaac cccacttaaa 360
gagtgggtggc agcaattgtg gagggcctca aaggagact gatgcaagtg agggcaaagt 420
atatata 427

<210> 835

<211> 426

<212> DNA

<213> Homo sapiens

<400> 835
aaacactcgg aaggccccagc ggggcccacgc tctgccaaag agaggctgac aaggagcagt 60
gggaggaggt ggtggccgca gagaggggat gaacatgttc gtgggtgcca ccacctgcct 120
ccctgcagtgtt gttggacttc tgtaatgtta tgcaagtcgc ccaggtcagg gtgcgtgatg 180
acgacaggag gcccaggaa caggagaagg ctgagccgtg gagcataaccc atgccaatgc 240
catttccaga gctcttgggg tagcagttga ggccatttc ctctccccca agaacctaca 300
acactctggg ccccccaaaa acaaccccat ccattttggaa aagaatgtgc agaaaagagg 360
aaggaatggc cacctgtcaa ctacattgtc acagtaactgc acatgaccat caccaaatgc 420
ccgcga 426

<210> 836

<211> 243

<212> DNA

<213> Homo sapiens

<400> 836
gtgtccttac aaggaagtgtt ggaagagaac agatgctaattt ttatgactcc ggatcaattt 60
gctcaaacatc gcacacaggc attagaggca gaagaaggac accatttttc ccccccgtttt 120
gtatataccat ttcctctgtt tatgttggattt attgatatcc tgcctccgtg tcaggcttaa 180
tacaaaataaaa taaacaaaaca acaatctta ttttttaaaa taaaggaagc ttttttaacca 240
ttt 243

<210> 837

<211> 427

<212> DNA

<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 837
accctgtccg tcagccaggt gagcaaggct gggctagtt aagagaccat 60
gtggaggaag ccagaggagc catccatctg gggccaccca aggtcagcca gcacctctaa 120
tcacagagcc acgagggagt tagcccagat ttagaaggtg aggatattga cttcatctct 180
tgcatgcagg agttgcagtt acattgcaaa gggatgcaga tacaggaaag gttggagaat 240
tgcagccact ttgcacaat ctaccacaac tactgcattg tagctgtat gcacattaaa 300
taaagtaaaag acatatgaaa catttatttt aanggtcctg acaacaata agtgttcaac 360
aagtgtgagc tatttattt gtttctaaaa tggatccctt atcatggag aaggtaaat 420
taatgcg 427

<210> 838
<211> 426
<212> DNA
<213> Homo sapiens

<400> 838
tttccttaca atcctgttgg gtaccagtct ccagaaagcc actataatc agctaacgat 60
ggcattaaag agtcaactat aggtcttcc agaacaagga ctacacttca ggaagatgac 120
cttcaacata ggagggaaaa atgtttcata gtcaatctag taagaagttc tgccctcaaa 180
gcaaaagaac taccatttat tagatgtttg ccatgtgccca ggcaatgtca caacccttt 240
atatctcatt taagttcata atcatcctgt gacataagca acactatgtc ccccaagttt 300
cagatgaaga aactaaggct caaaaaaaaaac attgtgaact ttccaaaggg cactgagcta 360
ggaagtagtg acactcgat tcaaaccctt gatctggcct actttaaagt ccatggtctc 420
aaatca 426

<210> 839
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 839
atggagttt gctctgttgc ctaggctgga gtgcgggtggc aagatctcg 60
cctcctcttc ctggattgaa gcgattctcc tgccctcagcc tccaagttagc tgggattaca 120
ggcgccccacc accacgccccca gctaattttt tgatattttt agtagagatg ggttcccg 180
gtttcactgt gttggccagg ctggcccaa actcctgacc tcaagtgtac cgcccgccctc 240
ggcctcccaa agtgctggta ttacaggcgt gagccaccaa gcacggcccc gcagcctct 300
tcttgaaga gatgtccaca ccccatctgg ccntccttn tcccttcctc attcctaaca 360
gctggcctcc tgcggctgct cccaggatct tctcagagt ccggtccagc caacccacc 420
tacctggctc cggg 434

<210> 840
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 840
gaattgtctg gaatttntgt gnaanctnnn tanancgcca acgctgcctn ctccctganta 60
ntaactgatc nagaactcat ttatcaccaa gggatggtg ccaaggcatt catgagggat 120

```

ntgcgcctgt gatccgaaca ctttccacta ggctccactt ccaacactgg gaatcacatt 180
 tcaacatgag agttggagtt gacaaatgtc caaaccatgt ctccatccaa ccatctatac 240
 agatcttggta ttcaagaagc cttatgcctc ttggctaaaa agagttgaa aatcctgact 300
 cggcccattg tgctaaggnc atcanaaaat ggattctgca gaagcagatg ctgaaataact 360
 ttgggtggca gggctcaaca tctccaggga cagggcaggg cagaagcaag gagctaaaaa 420
 aactggatct cac 433

<210> 841
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (425)
 <223> n = A,T,C or G

<400> 841
 gtcagntna aaactgnnta naacgccaac nctgcctggta tcctgactct gttgggatgg 60
 ttctcagagc ctgctcagtgt tacttgaaaa tgccttcaa agcctgctaa ctctcatcat 120
 ttcagggttg atctgatatt tagaagcaac tgaaaaatcat ttgaagccaa tcccgatgaa 180
 ttaggtcatg taattcagct gtaaaaattt gcccctggct gcacctggca taggagtggc 240
 acagaggggta tcttgctgtg tcacccaggc tggagtgca tggtgcagtc tcggctca 300
 acaacctctg ctttccaagc tcaagtgcct ctccctgcgtc atcctccac aggtgcatgc 360
 caccaggggt tcaccatgtt gcccangctg gtctcgaact cctgcgtca agtaatcctg 420
 tactg 425

<210> 842
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (276)
 <223> n = A,T,C or G

<400> 842
 agaactgagt cccttnnncna ncncncnc tanncctcgc cttttgcct tgtggangag 60
 cccatgtagc aaaggacagc caatagccaa cagaaagctg atgcctcag tccaaacagcc 120
 tgcaagaaac tgaattctgc cagcaaccat gtgagattgg aagcagattc ttccgtgcag 180
 tcttgtgaga gattatgaag caaaggactc aagttgtgcc cagattcctg acccacagat 240
 accgtgtat aataaatgca tattgtctta aaccac 276

<210> 843
 <211> 78
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (78)
 <223> n = A,T,C or G

<400> 843
 gcgctctgggg agctcctgca ttaagnncnaa ctgaggnttg catcgncagc ttcttatata 60
 tacggccttt ttttttgg 78

<210> 844
 <211> 252
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 844
gacgtctggg gagctcctgc attannnnag agctgnggat tcttatantg aaaatcnccc 60
cgggcntngt ttttaaaca aangacgaa atcttcctt ccgnnntnaa aggacacntt 120
ganagatgca gtangaagat ggaatccatg aaccacgaa tgggtcttca gcagacacca 180
catctgncaa caccttgcac ttggacttcc taagcctcca taacagttag aaatnaacgt 240
gttttttaaa cc 252

<210> 845
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 845
ccatgttggg actacatttg gaaaggnggt ngntnattaa acaangacgn aaattttct 60
ttccnanctn aaaggacact ttgaaagggg ctnccctctg angccaaaag ntgcggccac 120
tctggaatgg agctgttacc tgncatcntn agcacantnt cncggnaaca gaaaaccaag 180
caactgcatgt tccccactt aagtganagc tgaacgagca gaacacatgg acatatgaag 240
gggaaacaaca cactctgggg cctgtgaggt gcagggagag catcaagaag aacagcta 300
gggtgctggg cttataacctt gggtgtatgg ttgtatctgtc ccggcaaacc accatggcac 360
acatttacccat atgtaacaaa ccttgacatt cctgcacatt gtaccccgga actaaaaat 420
aaaag 425

<210> 846
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 846
gaagatgccca naggctgact cacttcctcc ntctctctgt gcgngcanaa agggaaaggcc 60
gggttaagatg cangccatct gcnaagccaga agacangcct caacacagac tgaaccctgc 120
tggattttga nctggaaantt ccgccttcca gaactgtgag agaaaaattt ttgtgttgtt 180
taagnccaccc actcntatat tnngttatgg cagcctgagc cgattaatat gtacaacatt 240
ctatataaaaa tatgaaaacat t 261

<210> 847
<211> 203
<212> DNA
<213> Homo sapiens

<400> 847
gctgcataact gattcttaaa acatgaagaa catatggcat gaggatgaag agtggacaag 60
aggtcaaaatg agctgaaata tataaaatgc taaaagtgtt acaaaaactga tttcaaccaa 120
gcacttgatc tcaaccaaac aaaaatgtat gcacaaaaga aatatgtcaa aataatacaa 180
tttatgctcg aaaaaaaaaa agg 203

<210> 848
<211> 124
<212> DNA

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<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 848
ctaacggcac nggngcccag atgtgaggac aagagaaaagg tgggtaagg gatagagacg 60
ggaaagacaa tgagcaacc tagggtttt tctggacatt caataaatgc ctatttgaga 120
tgct 124

<210> 849
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 849
tggggagctc ctgngtttag ctccngctgn gggcttatgt ggangtaatt annaatcttc 60
gagatcatcc tggattattt ggggggtcc taaatccaat gacaagcatc cttagaagag 120
ccatcccgaa gagagacaca tggaggagaa ggccacctgc aggcagaggc agagactgag 180
gtatgcagtc acaagccaag gacgtctgg agccagcaag aggtggagat gcaagcaagg 240
attttctga gaccccttag aggaagcaca gccccgcaa caccttgatt ttggatttct 300
agccctccaga actgc 315

<210> 850
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 850
atattttc agatcctgca tactgaaaact actgatgcc a gctggctctgn nggattctat 60
gggangntga ctcaccaatg aatgaagttt ccacatcctg atgatctcat ccccttgcca 120
caatgaatcn acagccccaa tttccagcc cttgccctc caaaatctcc taaaaaacc 180
cagtccanaa ctccccggag gatatggatt tgangatncc tctcgncctct ctactggct 240
gccctgcaat cattaaactc tttctctgct gc 272

<210> 851
<211> 326
<212> DNA
<213> Homo sapiens

<400> 851
tgagtccttg gagacaggga ccctgtcctg ctgtacatcc agagcctgac agaggccctg 60
atctgatgtg a gctggccgaa ttgctgaatg gacagaagaa caaccctctg aatggtgaa 120
acagctgcct ccgaggcacc agccacacgg tctggctttg gtcaatcctg cacgattccg 180
caaggcacgg tgactcacgc ctgtaatcccc aacactctgg gaggccaagg agggtgact 240
gcttcagctc aggagttga gaccagcctg gcaatagggt gaaaccccaa ctctacaaaa 300
ataccaaat acaaaaaat atatat 326

<210> 852
<211> 340
<212> DNA

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<213> Homo sapiens

<400> 852
 agacggggtt tcaccatatt ggttaagctg gtctgaagct cctgaccta aatgatccgc 60
 ctcggcctcc caaagtgcgtg gaattacagg cttaggccac catgcccagc caaccctata 120
 gctttgccttgc ttcatcctgg gaaggaactg tgcaagttgg cgcttcggc ttggtataaa 180
 aacggctccttgc gaattcctgc ccagttgtaa tttccttggg gatttgaga ggggctcttc 240
 aacgttgcca ggctatcacg gccctttgt ttgcaagaga gcagtgagta aattatatct 300
 tgggcttagc aaagaaaaaa ataaacacga tgacagtagg 340

<210> 853
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 853
 gtcccagcta cttgggagtt tgaggcaaga ggattgctta agcccagaag ttggagcttc 60
 agtgaactat gaacagccac tgcattccag cctaggtgac agangctata actgaagaag 120
 tgggagaagg agaaaaaaaaga aggggaagag aaaaacagca agaacaaaaat gaacaagaac 180
 aggaagaaaag aaagaaaaaaa ttaatttaat attttccct tggaaaataa aagctaaatt 240
 ccaagaatat atcatttgga tcat 264

<210> 854
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 854
 acaaaagatatt ttctggcaag acgtggagag aaagagtccc ttcaatgaaa aaatgcaaga 60
 ctgttctgac tgcttttca ggttaacttc ctgttggacc tagttggctt gttaagtgaa 120
 ggacaaaacc agaagggtgtt ctacatataa ggctcaactct gaagttcag gctgctggac 180
 tggttgcttc attacatgtt ctttgttc 208

<210> 855
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 855
 gtctccagga agtgtttgct gaatgaatga aaagactaga taacgctgca agtatccaag 60
 acagtagatg attggctggt aaagcagaag cggcgccctg gaaattccct tctcccatga 120
 tttgcaaaat ttgcttttgc tatattttc taagaataa tctatagttt ttattatgtt 180
 ttccagggaa ttgataaaacc cctcaacaag ttaagaacca t 221

<210> 856
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 856
 ctctgccatg tgagaagaca cgtagaatgt ggctgtctgt agccagaaaag agagacttat 60
 cgagaactaa attggctggc accttattct tggacttccc agcttcaga tctgtgagaa 120
 ataaacatct gttgttgaag tc 142

<210> 857
 <211> 440
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 857
cnnggcacan aacatgtcnt ccaagttagg catcatcgtc gcctgctctt ggtgaagttt 60
tctttgcgt actgcggaga gatgcgctca ttaccagctg gcgggtggagt cgctgaaacg 120
caaatggatt tgagactgag cgactcccat ctctatggtt ggtatgtgac ccatctatcc 180
tctggaggac tcagcaagga ctaccagtc ccagacaact ttacgcgcac gtggtcgcaa 240
ggtaacttg ctattggta atggcagtaa agcccgccca tcagcgctgg tctgctcctt 300
taaaagaacg ccatcgacgc tcccctgtct ttcagcgctt gcaggttccg ggaggnncagc 360
ttccaaccgg aaggacgtcg ggtatgtcata gtccttgctg ctttgccacc ccattcccg 420
caataaagtg gtttgaaccc 440

<210> 858
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 858
gacgtctggg gagctcctgc attaagatng agntgcggct tgnngnagc ncaactggga 60
aacctcggga aacttacaat catggcagaa gatgaaggaa aaccaagcac ctcttaccat 120
ggcagaggag gaaagaaaaga aagcgaaggg ggagctgcca cacacttta aaaccatcat 180
atctcatgan antcnttcn ttatcacaag aagagcaggg gggaaatctg cctccatgat 240
ccaaaccacnt cccaccaagc ccttttccca acntgggggg atnccaattc gacntgaaat 300
tnnnnnnnnn ncccanngcc aacccnnttc ncantccatn gngggngata gntgntncag 360
tanctgttagt aaacttgcaa natattaact gtcattgnct tgnncnaaagg gggctcattc 420
caaannatta ttttgcncca tnnggggacc cacacagcca 460

<210> 859
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 859
agatngagct gaggcttgca ggnnanngctg gtgaggaact ctcctggc tcaagagatc 60
cagctgcctc gaccccaa agtgcgtggc ctacagacat gcaccaccac acctggcctt 120
ttatcctctt ttagcaaat gcatttaggg ttgttattta cctgtaagaa caggttacc 180
tgaatttcgc atagttgtat agggcaatcc ttgcattgtt ctcagttctt aaaatttcaa 240
aatttccatt ttgaaangtt ccctccttat tttggattt taagcatctt taaaaatctt 300
tacacaggca aaaaaaaaaa gggccggnnn ggccaattna nnttgactt aaccaggggt 360
gaattttttt taaaa 375

<210> 860
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

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<400> 860
 ggttaaactc ccaaatacgaa cagcaaaacaa aaaacaaaacc agtggctgag aggtctccag 60
 gggctgtcc cctctttggg gaacctgttag ggagtgcgtga ggcggcatgg ttctgagtca 120
 caggggaccc gaggacacag ggatgggca tggctgtcc gaactccctc cagcagctgc 180
 gtgctcaagc ccttgtgtgc tggtagagg ttggctgagg aaaggcagcg ttcaaggtga 240
 aggtgacaga aggcccaggt caggctgat gaagacaggg cccaggacgg gcttcacacg 300
 tgaagctcg ggcggccctt cctcctgttt ccaccatccc gtctgggc gttcttcttc 360
 caacgtcttg acttccttggg gaatttnng ggcattttt tccntrncaa gtacccccc 420
 tcctgccttc aatgtccaca agtgggtgca gtgaatggac acttgtccaa acaa 474

<210> 861
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 861
 atggaggcctc gtttgctgc cttaggcccga gtgcagtggc acaatctcg ctcactgcaa 60
 cgcccgccctc cagggttcaa gtgattctcc tgccctcagcc tcccaaatacg ctggactac 120
 aggcacgcac taccttgtcc agctaatttt tgatattttt gtagagacgg ggtttaccca 180
 tgggtgttag gctggctttg aattcccgac ctgtgtatcc agatgcctcg gctccccaaag 240
 gtgctggat tacaggcgtg agccactgtg cccggactga aactgacttt gaacttctgt 300
 cttcagaatt gtatgcgaat aaatgtgtgt tcttttaagc c 341

<210> 862
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(197)
 <223> n = A,T,C or G

<400> 862
 tacnaactgn ggtggaaagc caatgccccca gangtttggc ggcagccccac ctttgcaccc 60
 gtgangcacc agtggggaaat gacagtcaag aagaaaccnc ggganaatnc nacccttgg 120
 ncancagca ccaccctt gcttccgga actcagaagt ggtggagaaaa aaaaataaaac 180
 ctcctttttt gtttatt 197

<210> 863
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(335)
 <223> n = A,T,C or G

<400> 863
 cattttgggg gggccaccgc caaccaaatacg gcgtnatgca cgtcgaataa agtgtgtggg 60
 aagtccacc gcttggaa ccggccatgca agttcggtta ctggatccct tgggggaacc 120
 aacacaaatg cacaagcttg aacaagtgtt ttccggcaat ggcttgaac tggggcttgg 180
 gtgctccatc attgtctgc tggccaca accgtcgctt tgaccttggt cgactttntg 240
 ttaccaccc tggccaaat gccaaaagcc aggaaccggg aanggatgga aatcatttaa 300
 aaaaatgggncc cccgtaaaaaa aaaaggccga ccggg 335

<210> 864
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>

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<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 864
gcaaatgcgt aatggatgtc aaaatccaga aataaggcag caagtattgc acagaatgtc 60
tgcattgact ttgcaaagac cagaccctct gggctctccc tggacaagg atgcacaaa 120
ggctggagca gccaaatggg ccaaccctg gagtgcctt tttcttctgt gttaaaaagt 180
tgcatttcat gcagaccag cctattcccc caaccctca atcttctccc tccctcctac 240
ccacaagcac acataacaaca gaagggacgc ctctacaccc tcaccagctg cctacactca 300
ttcacctgcc gctggctggt ttccggactt gtttccaaa ccagtcaaag aactcacagc 360
cccaggactt aaaaaggtn ttattggttc catanaggct taaatttggg ggctcctaaa 420
gggatcacca tggataaat aaaaatatac a 451

<210> 865
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 865
actgaggggc attcagataa gccatcatat cccctgtgac ctgcacgtac acatccagat 60
ggccgggttcc tgccttaact gatgacattt caccacaaa gaagtgaaaa tggcctgttc 120
ctgccttaac tgatgacatg gtcttgaa attccttctc ctggctcatc ctggctcaaa 180
agctccctca ctgagcaccc tgtgacccccc actctgcccgg ccagagaaca acccccctt 240
gactgttaatt ttcccttacc tacccgaatc ctataaaacg gccccacccccc tatctccctt 300
tgctgactct ctttccggac tcagccacc tgcattncagg taaaataaac agctttattt 360
gctnctaaan cttgtgnntgn nnacanttn natnccnctn tgnntntttt gnnaacnaata 420
ttgatngaat tnanaannnn nggggggggg cgggggggggn ntntntttt ttttttat 479

<210> 866
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 866
ggcatgtggc attctagacg taacaagcat tatgatttgt ttgaaagaac tgntaaacag 60
tgtccagaat taagcacatt tcctccattt tctcaaaaga gtttcctgga gaagtcagaa 120
gaaataatac aatttcctat taaatgcaac atataaccac 160

<210> 867
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 867
gtgcacacaaa tgaaggaagg ccatggccca cananagaan atgntnaggc caggcntgg 60
ggctcacacc tctaattccca gcactttggg atggcgaggc agctggatca ctgtggtca 120
agagttcaag accanattgg gcgacatgat gaaacccgt ctctactaca aatacgaaaa 180

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ttaagccatt gtggtggcac acgcctgtna tcccagctac tcaangaggc tgatgtggga 240
 gaactgaacc ctggagggtgg agattgcagt gagccaagat ggcgctactg tgctccagcc 300
 tgggcaacaa agcaacacta tgtttaaat aaataaataa agtgcttggaa atttcaaaaa 360
 atacaatgcc tannttaaaa taccatatat tatatattca tatggctata atgattcccc 420
 acctgtttat ctgtcctaacs gcaaatg 447

<210> 868
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(335)
 <223> n = A,T,C or G

<400> 868
 ttataagttc cttgnnnnnga caaaagtggt ttaacacttc tgtcttatcta aagatgtcta 60
 ctcaaatnc tgggcacaag agtgattgac agcaatttga ttgatttagag aggtttctt 120
 aagaagagct tttactctga ataaaatatt cctgtgagga agatgctgac tggccatcca 180
 ggtctgcaga agacaagacc agagggaaatg gatttgaac atgttcccag agatctttta 240
 aaaaattacc tgcaaaggag ttttttttttggantancng aacaaagaaa gctgagggtc 300
 ttcctgttcaag tgaatgtttt aaaaatagac agtct 335

<210> 869
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 869
 gaaaggcaaa gggAACCTCC aggatgatgc tgaagacaga gcccaactatg acagctgtgc 60
 aactatccca gagcgcagac atggggcaga gtggaaagat aacacagaac tgggaaggcag 120
 gcaggaaaca gcagaagaga agaaagtta gatggaaagaaa aaaatatgaa cgaaggcaat 180
 gaagtaaggg gaagatggag acaacttttta gggcttttac tatacggttca ctgtttctaa 240
 tataaccatc agaatcttct gtcacaaaag gttacatgtt gatggaaaga atacaggaaa 300
 ataaatgaga tctaaatttac 320

<210> 870
 <211> 795
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(795)
 <223> n = A,T,C or G

<400> 870
 acatagggag tgtatntccc cntccccaa nggaanggca ttggaccttg gacttgganc 60
 catgcatggc gcccattccct caatggAAC gagggccgtc gtcgacnaga acttcagtgc 120
 actctaagaa cgtcgccca aggacctatt cgcatggac taggcagctt ggacacatat 180
 ggaattaaat ccaacgacgg acaccttagt gaggacacgt ctaggtgtcc aaggggaaaa 240
 aacgatggcc acgtacatgc acgaacacga aaacatgtt tagtaggtaa tcgtatatgt 300
 acaaccacaa acactcacta gtatatccgt agacgagncc aaantggnaa aagttcaacg 360
 agtgcgcata gcaatggcgc agcaccaaga gcatatatt taagagtgnc ctttgtctca 420
 ccataattaa ngggtgtnc aangttggnt tttccntaa antaatnaaa anaccaattn 480
 cnnggaanat tnctttccn tggncncacc aaaaaaang gggcatnacc ctttggttnt 540
 ggcatttggg tagaaangga aaatgacccc gcgaaaacat attttaataa ttggaaagga 600
 ancctctttg tttgtgnnc ctnaaaaaaaaa cattttgnga tttttttttt ttntggggcc 660
 cggcgcgtgg gggngggnc aaatnngna tttcccnng gggtttttt taacncccc 720
 ggggtttcc gaaacntttt tgggtcccc aaaaaaang gggggggggc ccccccccccc 780
 cccccccctt tttgg 795

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<210> 871
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 871
gctcatgtat ctctgtatg ctcangagct caancgttct gttgntggca nctttcctc 60
ncctgggtgcc acgttaaaggc ggatttggan tttatctggc ttgctgattt cttaccatct 120
ccccaaaggag ttcaaattcc cacagtntac caacacaact gatgctggaa gctaaacttg 180
ctacaganaa ctgagagaac caaacaattt tccttacct gttctcacga tacttgaaan 240
taaatgtcta catggaagga aagc 264

<210> 872
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 872
caactcagag gagttaatgc ccatgaggaa agcagcttg tcagcatctg gtcatacgaa 60
atagaagaaa aggaaggaga gaggaaaaca ctgttaagat tcattccatt atagccaaac 120
taactncccc aaagnncaaa agaannnnngg gttacctnna cggaacnnaaa naaantggng 180
ntttcaanaa aatgcccngaa tcctaaaagt ttaaaggaaa ttatcttc gaaataacaag 240
tcaaaggccac attgaaatct cactccttca gttgntggc nttaaggaaa aagaaaatat 300
natgccccctc nccgccccnt tnatggncnt tattcaaccc ggcacattt ccaggngttg 360
acaaggatgg gggaaaatgn gaaccctcat gcnttggggg gtggaatgc aaaatggng 420
tgtnnntgccc ggganaaacag tttgacagtt actctgaagt taatcataga gtactatgga 480
accaccattt tcacttttag gtcccnccca anataatgaa aacatttgtt cncccaaaaa 540
ttggncncaa tgtttcttagc accttt 566

<210> 873
<211> 90
<212> DNA
<213> Homo sapiens

<400> 873
agaacaaaatg atgaatggag gaggccactg gtttacacgg aaagggtaaa ggacaacgac 60
tatccagatt tttcttccaa ctttactttt 90

<210> 874
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 874
agatcctct attaaatgtg tggccatga accagcagct tcagcatgac ctgagagctc 60
ataaacctcgat ctctacaaaa aatacaaaaa aagtttagcca ggcatgggtg tacacgccta 120
tggctcagc aacttggag gctgagatgt gcctgcttc cttcacctt ccaccatgt 180
tgtaagtttccctc cccagccatg cttcctgtat agcctgttgtt acggccaagt 240

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ctcgccacat ggcattcattt cctcctcacc tgcagaatcg ctgtgactta tggctcctct 300
 gattgcacct gcttnacca acancctng aaaaaaantc ttttttgtgg ggataaaaag 360
 tnagananan ctnggtnca tnacttggtt aaaatnggac cctctcaa at gaatgtaaagc 420
 acataatggg gggactacac tatgagatta aaaggaatcc agctgttacc aaaaatgggt 480
 gcctgccagg tttatccacc aaattcttc cacttcatgt cattaaaaat aaaatttgag 540
 ttttaaaatg 550

<210> 875
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 875
 tgccaaaaat tcccttaaaag aaaaggcccc gggaaagngga agccttgtgg aagccccttg 60
 ggaatggttg gcttggcatt ggcccaaacc aatggaaggg aaaaattccc gggaccacca 120
 ccaaagagga aggaacatc caaggggggg ccacccaaagg ttgcccggaa agaatggaaa 180
 ccaaaggcca ccattggaaa gaaaaggggc caggccaaagg aagggggaaa agcccccattc 240
 ttgncaaagc cccaaagaaag aaggaaggaa aagggttca agaaaagaaa aggtttaaag 300
 gttcttggcc cagccantct ttgaaccctt tnganctt cccagnctt tttcaagaac 360
 ctgggtgnag aaaaaataaaa anttttcttg gcttgggttt 400

<210> 876
 <211> 578
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(578)
 <223> n = A,T,C or G

<400> 876
 ggccatcaag ctcagatggc cttacaaaatg gcaccccaaa tgagctcaac tcacaacttc 60
 tactgaggac ccctggacca acccactggc ctttgactg gccttagagaa ttcacctcca 120
 gaggacacta caactgcagg gccccttctt cgccccatc cagcaagaag taactagagc 180
 ggtcatcacc caattccaa cagcagctgg ggtgtcctgt ttagacgggg gtggggggag 240
 attngaggt gaagccagct ggacttcctg ggttgactgc agacttggag aactttctg 300
 tcttacaaa ggattgnnaa atggcccatn cnccctttt taaaaaccca ccaatcann 360
 ctttgcctnt taaaatgcn ccaatcancg ttttgtaaaa tgcnccaaatt ancanggatc 420
 tcagcgctnt taaaatgcn ccaatcancg ttttgtaaaa tgcnccaaatt ancanggatc 480
 ctaaaagtgg ccattcncag ggagaactga aaaaaggccc tcggtagga aagaaacana 540
 cggggggang gggcaataa gggataaaa gctggcct 578

<210> 877
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(408)
 <223> n = A,T,C or G

<400> 877
 gaggaagagg canagnacga cggctcaatn aaacccncca ctnntngtnn ngganagnn 60
 nacttnctt tggctnann gcncatcang cttaaccac catgaangcn gaaattccat 120
 ccanttaccc tggaaatggg aaaccgacaa cctgcatggc atttttgaa gctagacatg 180
 taaacatcat taaaatgttc tttttcttg gtcacgcct gtgacccag cactttggga 240

ggtcaaggca ggcagatcat gaggtcagga gattgagacc atcctggcta gcacggngaa 300
 accctgtctc tgctaaaaat tcaaaaaatt aaccgggtgt ggtngtggc ccctgtaaaa 360
 aaacttctcg ggaaggctga ggcagggaaa tggcgtggaa ctttggaa 408

<210> 878
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 878
 catcatgcaa actggaaaga ggaccctcac caggaaccac atctgccagc accttgatct 60
 tgaaccttctc agcctccaga acggtgtcaa tggacgtggc cgtgtccccg gattaagcat 120
 gaccttggcc ctccctgggtg gacgtggagg cttcagaaag attcattaaa ctactttcca 180
 aagctt 186

<210> 879
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 879
 agaaaacaagc atcaacccct tcaccacggc acatctgcct ctgacttcta agcgctagac 60
 caacctatgg atcctgtcat ccacctccac atcctgcata ggaatccaag aacccttcat 120
 catctacccc agtctccagt gggccagcaa aaccaccaag ctctttctat tgccacagct 180
 ttgtcatgtg ctttctact cattctgtc ttagataatc acgtgatgta ataacatcac 240
 tgctatgtct actaaaaaga aatctgagaa actg 274

<210> 880
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 880
 gagcaccatg caaatgtcgag agatgcagag agggaaagact actcggtcct tggcccttc 60
 tggcccgat gtcacagtgc tggggggagg gggacaagga cataccctgt caggctgcgt 120
 atataaatac acagggtgta agcaaaatgg gaacggagaa gggaaagggt ccctccacct 180
 tggagagacc acagaagggt gttctagaga tggatgagtc agactgcaag agagcaaaga 240
 tatcttcctg aatacattca atatcaaagc atcatgtgcc ctgtgtgtc aaaataataa 300
 taatcataat aataaagg 319

<210> 881
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 881
 aacttaagcc aaaccattct gtcatctgga aaaacaaaaa atagaagctt gggccagatc 60
 atctgtaaaa tttcttccca agcacaacat cagatccaaat gactgtcaac tgggtgtgt 120
 ccaatgactt atttgaagggt tggacacaaac cacataatca ccagattccc cacattcaga 180
 taaggctcaa tgaagaccgt ataacacccc ctgaaagaaca gctgccatct ctgcaggatt 240
 ctgtgagaag aggaaagtga tccggaccc ttggctgggg ccacactggg ttatctgta 300
 tctgtcctg aatcttcage ctgctacaat ctgttcacac ctgggtatct acagtcttga 360
 catcctacca cttgctgctc aaggcttta acttgagctg gaaagtaaat aaatttngct 420
 ttcattttcc cct 433

<210> 882
 <211> 454
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(454)

<223> n = A,T,C or G

<400> 882

gatcgaggcc atcaagctac agatggctt acaaatggca ccccaaatga gctcaactca 60
 caacttctac tgaggaccgc tggaccaacc cactggccct ttgactggcc tagagaattc 120
 acctccagag gacactacaa ctgcaggccc ccttcttcgc ccctatncag caagaagtaa 180
 ctatgagcgg tcataccca attcccaaca gcagctgggg tgtcctgtt agacgggggt 240
 agggggagat tgagaggtga agccagctgg acttcctggg ttgactgcag acttggagaa 300
 ctttctgtc ttaccagagg attgttnaat gcaccaatca ncactctgtt taaaanacacc 360
 antcagtgtc tcttgtagnt ngcaagaaga ttntaaaaat gcacccacca gcactttgt 420
 aaaatgcacc aatcaggcgc tttataaaaa tgcc 454

<210> 883

<211> 175

<212> DNA

<213> Homo sapiens

<400> 883

atgagaagca gggattccca gcaaaggaga accatgagtc acagggagaa gtctggccgg 60
 aagctgctga cacacattct cacaggacta tggcaacttc cggaagctgc ctgtatgcct 120
 tgtcttgtgg ccccttcctc cctcttcagt gccagcaaca ttgcatttac ctgac 175

<210> 884

<211> 377

<212> DNA

<213> Homo sapiens

<400> 884

aaaaagcctt gaaaattttt ggagtacata tagtaagaat gcacttcact gcagcaaaaa 60
 tggagttca ctcttgttgc ccaggctaga gtacaatggta gtgatctcag atcaccacaa 120
 cctctgcctc ccagggttcaa gctatttcctc tacctcagcc tcccaagtag ctgggattac 180
 aggcatgtgc caccacaccc agctaattttt ctattttttg tagagacggg gtttctccat 240
 gtttgtcagg ctggcttga actccagacc tcaggtgtac caccgcctc ggcctcccaa 300
 agtgctggga ttacaggtgt aagccaccgc acctggctta aaagtaaattt taaaaataa 360
 acagtttata aattaag 377

<210> 885

<211> 260

<212> DNA

<213> Homo sapiens

<400> 885

tagatgcaat ccatggaaca ctccacgtgg acttggctgt ttctccgcat tcatggacaa 60
 ttaatttcca gctataatcc agtttccac caaacactga gttgcctccc aacgctgtcg 120
 accacttgct ggaacaattt tcccccttt gcatgggaaa gcaagatatac atgacacttt 180
 gttctgtatgt gaaaacatg cctggtttg agaccctggc catttcattt gtcagtcttt 240
 aattaatca gtggtttctt 260

<210> 886

<211> 435

<212> DNA

<213> Homo sapiens

<400> 886

gcaatccagg tgacaatacg gaagtttcag gaactccatc atatccagca tgcaggatc 60
 tcacatgaac gaatggcata ttccactcca tgcgatgc catcatggaa 120
 aagatctac tttgaaagcc agaaagaagg aacatcagcc ttaacacttg ggagtaatgt 180
 gacctgggggt tgccgagtgc cttactgaac aatagctctg actggctgaa ttcatcaacc 240

caagtttgt tatttagata tcatctatgt atctccgaat ctgctcctca acacacagct 300
 agctgtcata atacataatc aactagtatt tctcaacaag caaattagta gactgtcaaa 360
 gggattgctt aaccatatgc ttctctcatt actacataat cccagaaaat aaaagtaaca 420
 tttgtttaga atgac 435

<210> 887
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 887
 gggcattca gataagccatc atatcccctg tgacctgcac gtacacatcc agatggccgg 60
 ttccctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catggtcttg taaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac ccccactctg cccgcccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcana 360
 aaaaaaaaggc cagngaggcc aattcagctt ggacttaacc aggctgaact tgctcaaaag 420
 gnngggccccc cccccccc 437

<210> 888
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 888
 atggagtctc gctctgtcgc ccaggctgga atgcagtggc gcgatctccg gtcatgcc 60
 ttctcctgcc tcagccccc gagtagctgg gattacaggg gcccacccacc atgcccggct 120
 aattttttgt attttttag tagagacggg gtttcaccgt gttagccagg atggtctcaa 180
 tctcctgacc ttgtgatccg cccgcctggg cctcccaaag tgctgggatt acagacgtga 240
 gcacccgcgc ccggccccaa catttttt tgcttggat aaaccctttt caggctgtta 300
 atcaatatacg ataaaagtat actgttct 328

<210> 889
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

<400> 889
 ctcaggccag taattttgac agaggtttgt cctgtattgt ggccagggag cagcccagaa 60
 aaacttgcgt cactaggccc agtgggggtgt gctccatcag acagaatgtg tttgtcacga 120
 gccttctaag aatcaggagg agggaaagtca ttcataaagg aggcatgc tgaaatgcaa 180
 ctttggcttc ctcttccaag tccttcaact ataggaatgt ggccctttt tattcacaga 240
 ggggctggat ttctctttac aacctgagta ccagaagctc cctacccttc caagtccagaa 300
 cagaacagga aagtggctaa ttgcaccc ttgcaccc gcattctcca cactgggggat gatcacaggc 360
 caggctgcac acctctcaaa acccaacccctc angacagacg tctacaggaa atgctaagac 420
 tttcgaaagc aggagaaaga tatgtccaga 450

<210> 890
 <211> 245
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 890
atcacacaaa gaagaagtca tgtgaacaca cagcaagaat gtggcagcct acaagtcaag 60
agaagaggcc ccagagtcta ccttcagggc accatgatct tggatcttcc agtcttcaga 120
actgtgagat gtacatttct gttgttaag cattcagtct ttggatgtt tttatggcag 180
cctcggcaga ataagacact nattcatcta ngtataccat atacagttga cccttaaaca 240
gcattg 245

<210> 891
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 891
agctttgtt tcagctcacc ttatgaagct gttcccaag aggatgaccc ggggcctgc 60
ctggctaagt aacaagcaaa catttcggag ccttaagtttgg gaaaagagcc tgaaggcccc 120
tacaccctga agcaacatcc caagccttgc tgctcacaat gcggtcccg gaccagcggc 180
agcagcagca gcccaggacg cttgttagaa atgcggcacc tccggcccca cttcagacgt 240
tctgaaccctt aatctgcatt ttatcacat cccaggtgat tcatgtgccc gtttagagtga 300
gcgaagccctt ggatttagaga acagaaattha gacgtgaccc tttcttgac aggaatttat 360
caccaggctc tatctcaaga actngagaa ttccgntcaa natgtttgtg ataactttt 420
agcagactg actagcgtgg 440

<210> 892
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 892
caaaaannca actgcagatg acagccctat cgctcctncg actaccancc cattgnatgt 60
acctggnttc cccatccaag ccaaagagcc ctcttctgtg cctggactaa gaaaacagaat 120
aaaaaaaacca cacagaaaat cataagctgg ggaccaaagg cagtcaaccg tttctgcata 180
tgcctcaaaa tgtgactcaa tcttagagtt tccagttca cctgagctgt taaaatttaca 240
ggaagatctt caatgatctt cgaaaaagac agaagagcaa gaaaatctga aaaggatatt 300
aataaaaatt aagctcaaag gggaaaaaat agtt 334

<210> 893
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 893
atggagtcctc actgtgtcgc ccaggctgga gtgcagtggc atgatctcggtcactgcaa 60
ccgccacctc ctgagttcaa gcgattcttc tgccctcagcc tcccgagcag ctgggactac 120

```

aggccgcgcca ccacaccagg ctaattttg tagtttcgt agagaggggt gtcaccat 180
 tggccaggct ggtctcgAAC tcctgatgtc gtatctgcc cgccctcgGCC tcccaaagt 240
 ctgggattac aggtgcagcc accgtgtctg gctgctccat tgtaatcttA cgggaccacc 300
 atgtatatgc aatccttggG tgactgaaat ggncntaang gggggattga at 352

<210> 894
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(525)
 <223> n = A,T,C or G

<400> 894
 gcccagtccca caagggcaag gcttgcaaga gaggaggAG gaatcgCGGA gcagcaaacc 60
 aaagccaggc ctgtgtcttG agaggGCttc tcaccaaggG aagcttCCAG ggccttCTCC 120
 aaagcaccat attcaagcac tggatgtcgc ttggacatAT caattgaggT cccagagaaa 180
 ttagtatggg gagaagaagg acttggAAAC acacaaACAT gggTCGGAAC cctgCTTGGC 240
 ctcccAGCT gggtaaaACTC caggGTCTCA ctctgttGCC caggCTTGGAG tacagtggT 300
 caatcatggg tcactgcAGC ttcaactcCT gggatcaAGC aatcttCCTG cctcaacCTC 360
 cccaatAGCT gggactCCTG aataGACAAG ggtcccACTA tggtnccAA gctgntCTCG 420
 aaattttggc tcaanaaATC ctccTTGCTT ggnctccAA agngctgggg taacaggcgt 480
 gagccncctt gnccaaACCTA ttatAGTCNT attcttACAT aaata 525

<210> 895
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 895
 ttgaatccag gcatgtggaa cccttggata tggaggCCA atgatatTTT gcatctatGA 60
 ttttattggaa acctatttac caagtcaCGA ggaaaaaAGA gctgaaggAC aaatgtatGCT 120
 gacaaggGGGA cagtcaGAAAC ctgcataCTT tgaatgcaAT accaggGCAC tagtGCCAG 180
 attacaaaaa gaagaagAGC ctTTTAactT tggcgggAGT gcagaaggGA ggaccaaaAT 240
 ttagtatTTGA acacatttG gagtaAGATC atataatGGA aaaggaggAA actgTTTAA 300
 agagatgaaa taaaggTGA ggttaattAG aactaccaAC ataaatataAT gcccTTTAA 360
 aagaag 366

<210> 896
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 896
 gcagctcaCT atgaggctat cacaaatCAA tggaaAGcaca tttggTGAAG agtacaggCC 60
 catcagagGA taccactgaa tccatgtcCC acagcAGtTC ccagcaAGCT gcactCTTG 120
 aaggcgggat gctgaaACCT ctgccccCAC cccctacATT agctttatAT ccaaATGTGA 180
 ctcggaggCT ggtgagCTCA aggtgatCAA tgacagCTCC aatcaAAgCC acccAGTAGA 240
 cagtgcactC accactCCTT gatataAAAAG gtgtttATT tctcatCCTT ttatTTTGT 300
 cactgaaAGA atgctCCCA tggTggatt aattaaAGTG taaacattAA atattgattG 360
 atgcattATC agcatGG 377

<210> 897
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 897
 actatcctaa acatcctGCC attaattAGC tggAACAGCCC atctagtaAA caagaccGAT 60
 gttgaggGGG ctggAAAAGA ggaggAGTC gcaagttGAA agtcacaACa gaccAGCCCA 120
 ctccctcaga taaaAGAAAG gcacatcaca gttgtcacat cagcaggCTA gaaaAGCCAT 180

cccattcctg cggcaggcat tctgtcaaag aaaaagaaaat ctgcaatgaa ttatcacatg 240
 aagtcaaaca aggaaaggag gcaaaaagca agcagagccc tttccctgtt ttgttagactc 300
 tgctggctac aatctaatacg aatgcttaat ctgaatattt ctggtggcaa aactatacg 360
 accattctgt ctattaaaaa gtcagtgtgg tt 392

<210> 898
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 898
 tgaaacacat atccaagaaa aggtagtcg cagaaaaact ggaggaagac ttatgcttag 60
 agtccttgct ctgcaaactt ctacaggaac cagtgtggac ttggaggcct tagcaaacta 120
 tcacaggaac agaaaaccaa ataccgcattt ttctcactta taactgggag ctaaatcatg 180
 agaggcacaag gacacccaga gaacaacata cactggggcc ttctggagcg gggagagcat 240
 cagaaaaat aactaatgtt ctaggctaaa cacctggatg atgaaataat ctgtacaacg 300
 aatccctagg atgcaagttt acctatgtt caaacctgca catggacccc tgacttaaaa 360
 gttaaaaaaa atgagtgatt aaaaacatta aaaaatg 397

<210> 899
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(310)
 <223> n = A,T,C or G

<400> 899
 attttaccca aatatgtggc nagttaagac aganaaaaga aagatgttag gtctcagaga 60
 tcttccaatg ggacctacca ctagggtca agtcatctga catctacaga aaacctacat 120
 tgcttctttt aacatacaaa tataaacaaa cgtacaattt agttaggggc ctcccacaaa 180
 ataatcacct gatcagaatt atatattaag ttatgcttaa tatattatta tacattaaat 240
 atatgattt aaacaaaaaaa aaaanggccaa gngngccaa ttcagctngg acttaaccag 300
 gctgaacttg 310

<210> 900
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 900
 gcatggttat gaagctggga acacagcagc aaacatgagc cgatgaagtc tctggctaa 60
 aaaaaacctg cactgtatgtg ataaaaattaa gtccaaacctt aaaaagagtt tcaaaaattt 120
 agaatgagga ggaagagggg cacctcacgt aacaggaagc agctacgaca gcaaagagga 180
 acagatactg ccaaataagg gttcataactc atacccccac aaagggaaatc tcttaattgg 240
 agacatcatg agatctggc cattttccca tctcattgaa aaatcaatgt ttaaataaac 300
 acactttta tctag 315

<210> 901
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n = A,T,C or G

<400> 901
 tttttttcta gngttcaaag gccggcggat catgaggtca ggagttcgag accagcctga 60
 ccaacatggt gaaacccgt cttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120

gcacctgtaa tcccatctac tcagggcgct gaggcagaag aatcgcttga accccggagg 180
 cggaggtgc agcgagccaa gatcacacca ctgcactcca gcctggcgca cagagcaaga 240
 ctccgtctca aaaaagaaaa aaaaagaatt ttttctaaaa cttccaataa aaacttaggt 300
 cccattaaat gtaaatctg gctccaaaaa aaaaaaggc cag 343

<210> 902
 <211> 183
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(183)
 <223> n = A,T,C or G

<400> 902
 agacagcata tggctccatc acctangctg gatgcagtgg tggatccta gtcactgca 60
 gccttgaac tcctggctc aagcaaccc cccgtctcag cctcccaagt agctggact 120
 acaggcgtgc gtcaccatgt gtaatttca tttttaaaaa gcacataaa atcagagagt 180
 ttt 183

<210> 903
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 903
 gccttgccctc gggactggc agtttatccg cagagcacca aggaagaatg tggcccact 60
 gccaactaca aagaatcatg ggatcataaa ccctcagaag tggaggtatc acggaaatga 120
 gcttaatgtt ttatgcttc ctgtcgccctt aaactgccaa gaaggctggt gcacccatcaga 180
 gaaaaagaata ctcacaggaa ttagttccg gtcctgaaa cccagtcatt tcaacatgac 240
 agctgtttga aatccatgt aaccagaggg tttctgagac aggaagcaac agtggcacac 300
 cttagctgagc acgggggaga gtaagaagca gagagggaaac aagctaatg agaacatggc 360
 ttggaggcag caaggaaagt ataaaaacaa tgaaccaggc caggcgcggg ggctcacgcc 420
 ttaatccca gcaactgtggg aggccaaggc aggccgatca cttgagatca gaagttctag 480
 accagcctgg ccaacatggt gaaaccccat ctctact 517

<210> 904
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(198)
 <223> n = A,T,C or G

<400> 904
 actataacaa tgaccccta tgaagaaatg cttccaagac cagcacacca gaaagaacct 60
 cctgatggtg agcagggcca gaaccaccac ctgnctgtcn caacactaac tcttcattt 120
 attcctcttg aagttggcc cgagtgtgaa aaatgactct tcttttaagg actcgtaata 180
 aagcagaggt gacacaga 198

<210> 905
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 905
 gtgtttctt atagcagtgt gaaaatggac taatacacca gaaagaaaaa taaaatgcaag 60
 gaaattttct gggtaaaga aaaataaagg aaagtgacaa ataaaatgtaa tctaagatct 120
 tc 122

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<210> 906
<211> 456
<212> DNA
<213> Homo sapiens

<400> 906
caatttgc ctgggaccc aggtcctgt cagtcacca ttctatcagc 60
ccacagttaa gactgtggca tgtgcattcc agacagcaag actgagaag gatcctgaag 120
aagagagaca agggctgtct ctttagggaaag gctccacata aaactaagct gccacatgaa 180
acttacgctt actctgcaat agccagaact cagtcccattg gccatgaaag atacaaggac 240
gctctgttcc ttggaaagtca ttttctggc aaaactggag gattctatca cattagaaga 300
atgagaaaac agacacccctgg ggaaaaactac atttctatc atggAACAG cactctattc 360
aagtgaactc acaattataa atgaagctac tataattctg aacaatgtac cacggctaaa 420
agtgttcat tcacttact tactcaataa attaa 456

<210> 907
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 907
acgaagtctc gctttgtcc cccaggctgg agtcaatgg cgcgatctt gctactgca 60
acctctgcct cccaggttca aggaattctc ctgcctcagc ctccccgagta gctgggattta 120
caggcgccctg ccaccacgccc tggctaattt ttgtattttt aatgagatg gggtttcacc 180
atgttgccca ggctggctc gaactcctga cctcagggtga tccactcacc tcggtctccc 240
aaagtgtgg gattacaggt gtgagccacc gtgtgcggcc tcaggaaattt gaacagctt 300
gacttggaga cagttagttt aaacagaaat aagaaggcng ccgaaaaaaaaactcccaat 360
ggaatgggtt nggatatttc atatncnccc caccacctca aaaatggtgg nccttgggag 420
ggatnggaan acaagaaaaat tgggaggnngt tgcatcttca aagcctttagg aaaca 475

<210> 908
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 908
cagctccagg gggtcctccc atgacaggaa ttccctgatga gaagaaaaagg tgcagctctc 60
tctgacaagc tggctccctt cctcagaaaa aagaaaaagaaa caaggagaag aggatgacat 120
tgaatgtatc agagaactaa gaaacttctg ccagccttag caacttctcc agccagggcg 180
acagagcaag accatgtctc aaaaaaccaa acaaatgaaa aaagaaattt ctggatgagg 240
aggatgttag ctctacattc cacttcacaa ccaggcccta catcaggctt tatttgaata 300
ccatggcaat tcactacccc acgatctgtt agggaaatttt tccttacact aaacagattt 360
ggccagttnc acactttggg actgnccagaa aaaggctata tatctaataat aatttattat 420
aaatag 426

<210> 909
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)

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<223> n = A,T,C or G

<400> 909

aggatcatat gaaattcata aacagaggat gaagaaacac agaagacaga ggaaggattt 60
agttttggga acatgtgcta atggccatca aacaattctg aaataactga aagagaacct 120
ttgaaaacacc ctttagatta agagcctggc ttgtaatctg taacaacaaa cggtattaca 180
atgagaaaaaa taaatgtcct gtcaaggcat tccttcattt acatctgtc acacaagtct 240
atatccaagg ctgcccacaa agtggaaaaa tggggaaaat tccctgcagt acagggccaa 300
aaactgaagt ggatgtcaact gtcttctgtc ctaagaaaaa agaggataaa ctgtantccc 360
aaccncttcc gaagcttgag gcaggagaat ggcatgaacc cgggaggcgg agcttgata 420
gagtcgagat ggcccccctgc actcccaa 448

<210> 910

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 910

gacgtctggg gagctcctgc attaagtcng aacnngaggg taaaaaaaaagt atnggntggc 60
acgggggctc acgcctgtaa tcccagcacg ttgggaggcc gaggcagggtg gattgcctga 120
ggtctggagt tcaagaccag cctggccaac atgtaaaaac cccatctcta ctaaaaatac 180
aaaaaactagc tggcgctgat ggcaggcacc tgtaatccca gctacctggg aggctgaggg 240
aggagaatcg cttagccct tgaggcagag gttcaatga gccgagatca cgctactgca 300
ctccagcctg ggcaagaaga atgagactcc gtctaaaaaa aaaagaaaaga aagaaaagaaa 360
gaaaaaaaaat tcngctccag gcagacttct tttntgnntt ctgcctttaa aaaaatctcc 420
ttggcacagc ttcaacntgat tggatggag agggaaatttgg aggctggag acctcctana 480
ccacagctgt aatctt 496

<210> 911

<211> 309

<212> DNA

<213> Homo sapiens

<400> 911

aaggcacagt cttcttctga gatttggaga gcagagggca agtgggcagc gtgacaatgg 60
taggaaaagg cttccccag agtgaagaag agaagaaaat tgactggtaa aatgaactac 120
aaatgtgaag aaagtgtaaa ggacccaatt gaaaaatgag gtctatgtt cccaggctgc 180
ttgtgaactc ctggcctcaa gcgcattcc tcctcaaac tcccaagtgc ctggattac 240
aggtatgagc catcatatgg gctaaatttt acctcctttt taaataaagc tgactactac 300
tacaaaaat 309

<210> 912

<211> 188

<212> DNA

<213> Homo sapiens

<400> 912

agactggatc tcactacttg cctagctttt gaactcctgg cctcaagcaa tcctcctgcc 60
tcaacccccc aaagtgtgg gattacagga gtgagccact atgccccaca tggtattttt 120
attattgtta ttaataactac attgtgcttc ataataattt gctaaatata caagaatatg 180
tttgttcc 188

<210> 913

<211> 659

<212> DNA

<213> Homo sapiens

<220>

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<221> misc_feature
<222> (1) ... (659)
<223> n = A,T,C or G

<400> 913
ttaagtca... aacttgtaga ggaaaaaccn tcatgggaa tggtttgaag ctccagcngn 60
accctaaagg aggagccagg gcaccagccg gatggaggaa aatctcctgg cccaagaaag 120
tgacagggga aagactcctt ctcccctgc tcacacagc tcccaa... acat cacttcccag 180
nggaaaacaa agtgc... ccac tccccacaaa ggacttgtga agctcttga agcaccaagc 240
aagaagactt tgtcaagttt cttgttc... tt gggattgttc acccaagcca cattggggcc 300
aagccaaaaa tccttgaaga agcttggct tgcaaagtca agaactctt ctttacctg 360
aaccccaagg gaagttggaa cccggggggc cacc... aagaag ccttgatttc ccaagnaaga 420
agttcttc... cttaaaaaaa cccaa... agggc aattggggga ccccccactt tttnttcaa 480
cccg... ggc... cat tggcttgg... nc ccattnnta ccaagtttg aagg... ccacn taaaatttc 540
aattgc... cttt gaaacc... ccccttggg tttcaaaaaa cccctcaacn ttnttggccc 600
acntttttt ngggcttgg... ngtnggaccc ctaaaaaacc... caaagttt... taagccatt 659

<210> 914
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (465)
<223> n = A,T,C or G

<400> 914
ctggcgatct cctgaattga gnccaactga gggac... tccc acctgaac... gacgattgaa 60
cttgc... tttt cgatgacaca agcgacatct tgg... aaggaggc aaaactt... gagc acagg... tttc 120
aaggattgg... gccatctgga caggttgaag agg... tagga gggctt... cgg atgtggagaa 180
tggcatgcac aaaagc... acgg agcaacactt tat... ccagg... ttg... ggattatgg... ccattgggag 240
aaagatcaat taaggtgaaa cccc... agt... gaa... gactg gagaaca... aaca ttcattt... cttc 300
cttaataaaat cttagt... tta aatattt... gct ttgagttt... ttccat... aaagaaaata 360
agaaggaaaaa ccccn... nnnnnnnnn nnaannnnnn nn... nnnnanggg... cn... ggggg... cncntt... nnnn 420
ggntt... tnanc cgggt... nnntt tttttaaaag ggggg... ccccc 465

<210> 915
<211> 124
<212> DNA
<213> Homo sapiens

<400> 915
gccaagatga caacgagccc agctgaagct gacatccc... agt... caaattt... gcat gaca... atttgc 60
aaagacgact aacc... cacaac ctactt... tct ggaaaat... aaca attt... aataattt... aataattt... 120
agt... 124

<210> 916
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (440)
<223> n = A,T,C or G

<400> 916
gatggagtgc aagtgg... tgc accttgg... tgc actgcaac... ctgc... tgg... tccgg... ttc 60
aagcgatc... ctgc... tgg... cctcc... aagt agctgg... att acagg... cccc accg... ccacac 120
ccagagagtg tgacgat... ccc cctgat... tgc ctgagat... gtt ctgaaat... gaa gacg... ttgg... ct 180
ctcatcccc... a... gcctg... aagag agaaaattt... ct gatgg... tcc... acagat tgagagcaga 240
tacggg... tttt caccgt... gta... gccaggat... gta tctcgat... cta ctgac... ctcgt gatccg... cccg 300

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cctcggcctc ccaaagtgc gggattatag gcgtgagcca ccgcgcggg cgggttgnngg 360
 gttaatatta aggacttgg gtanggaaca cagccaanaa cgattgcagg atgggtcctt 420
 ccaggacact tgacgtctca 440

<210> 917
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n = A,T,C or G

<400> 917
 gtggccttt caatccttcc agtaccagt cagtccacaa gcncatgg gacaccagac 60
 ctgccttgg gcagccttgg ggaatcaa ataggccagt ccgccttc cagaaactgt 120
 gtgtctgggg gagaagatca cacacaggaa aatcaagtgg tgacaagagg tgccatgaga 180
 cagtatatacg ttcatccc caccgcaaga gtaaagggtc tagggtcaga ggcttgggt 240
 cctgagttct gactctgcca attattagca ttgggacctc agactcagct ggcagagagg 300
 agaaggcgcg ggacatcagg actatggctg gacgtcagan aaaaacaact taacttaaa 360
 agtgtggcagt tggatggng taacttagga gaagaatctt gactgggaga cggccagact 420
 tcanaagaag atgacctacc ccccatccc ctttcagct tcc 463

<210> 918
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 918
 gtcagagag cccatggtg ttcggggaa gcatcagtgt tgtctacaag aatatggagc 60
 ccactccaaa tggaaataatc agataacatt gaaaaagagg aaatccgcac aacgtccagc 120
 tatggatgt ctacatggtg aaatgccggg aagatgtcca ggacaggatg tggtgacact 180
 gtgggaaggc tttattgcag aagggatcc taagaagtgt gggagaacca tggaaatttag 240
 cccagaagag taagaaacat tgcgcagga ttggaaagga acagctctga caaggaaaca 300
 agaataggag aaaaatgcca gtgcagatag agggaggtgc taattgtct tagccaaaaa 360
 cattanaagg atttgtcaaa aggagtctt cgttaatat anaaagtctg cttctc 416

<210> 919
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 919
 tagagacgaa gtttaccgt gttagccagg atggtctcga tctcctgacc tcgtgatcca 60
 cccccactcgg cctctcaaag tgctggatt acaggcgtga gccatcgac ccggccaagg 120
 tgacaaaata tttctgtcg ttagttgcag gagagagaaa agatgaatac tgatccacgt 180
 ctgagagaga gacaaaaatt caagttggag aatggtccag atacatcacc aaagcaagga 240
 ggactgtaa gggatataa gaacctgagt gcagagacaa gagacagatc tctgtttctg 300
 aaaacatggc aaggaaaata acctaaatat cctctacta tcaagcatta aaaaatggtgg 360
 attaaatttt g 371

<210> 920
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 920

ctgccttggc tttgacattt ggtgattgtt ttcctttccccc gggacagccg taacaaaacg 60
 ccacaactc agcagcttca aacaacaaa atggatttcc tcacagctt ggaggccaga 120
 aggccaacac tcaagggtgtt ctgggaccgt gctccctctg aagccccccag ggaagaatga 180
 cttccttgc cctgccagct cctgggtgtt gccggcggtc ctgtcgctc cttggcttgt 240
 agacacatct cttccatctc tgcctccacc accgcgtggc cttctctgtt tgcgtgtgtc 300
 cagattcccc tcatataagg gcatcaagtc attggactgg ggcacatcctc atacaacatg 360
 ctggtagcc ttg 373

 <210> 921
 <211> 441
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(441)
 <223> n = A,T,C or G

 <400> 921
 cttcactcct tagcccagcg agaccacgag cccaccggga ggaatgaaca actccagacg 60
 cgctgcctta agagctgtta cactcaccgc gaaggctctgc agtttcaactc ctgagccagc 120
 aagaccacga acccaccaga aggaagaaac tccgaacgcga tctgaacatc agaaggggca 180
 gactccagac ggcgcacccctt aacagctgtt acactcaccgc cgagggtccg cggcttcatt 240
 cttgaagtca gtgagaccaa gaaccacca attccggaca cacctggatc tcttttcca 300
 gtatcactat cagttaaatc ccgcctcccc cccccccgaa atttataatt ttttaaccn 360
 ggcacccttg gagatttatt tagaaaaact agngacnctg nttnntttga naacaganta 420
 aanagcnggg tggaacttt t 441

 <210> 922
 <211> 341
 <212> DNA
 <213> Homo sapiens

 <400> 922
 agatgaggcc ttggaggcagg gatgctggcc acccatggag aaaaatgaga cctgtgttcc 60
 aggctgtcag cagagtcccg gaggcttgc ccatggctgt gtttcaact gtgttccaca 120
 aataacttgc aactgtctgca gggctcggaa gacatgggcc aaatgggtt ccctccgaa 180
 tacccaggca tgacacaact tcagcttca tctaattata cactggacat ccacacccgtt 240
 tcacctgcaa aggttctac tgttaaaaata aataaaacaaa ataaaccctc tcttttataa 300
 tatgtgaact ttaaattaaa ataaaaaaac agattagcaa c 341

 <210> 923
 <211> 639
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

 <400> 923
 gtcctcttaa atgtcttccc agcccccttcg agagaattgtt ggaagtgggg ttgcccagatc 60
 aaacacaaga caccctgttta aaattcaact gtagggtttc gcttgcatt gcaggctgga 120
 gggcgttgtt gcaaacagggtt ctcacaggca gaggctgttc tgccctcttag gatcaaggga 180
 tccccccacc gcaaccccttctt gatgttttttcc gatgttttttcc gatgttttttcc 240
 aaggatttcg ggcacatctca gagccgttttcc gatgttttttcc gatgttttttcc 300
 ggagggtctcc tccctcttcc tccaggcacc agtggggagca ggcagtcaca ctttgcgtt 360
 agtgagaacc atagcagaac cttcaaaagca cttctcaatgtt cgggctggag tgcataatggcg 420
 tgcgtttttcc gatgttttttcc gatgttttttcc gatgttttttcc gatgttttttcc 480
 acctcctgag tagctggat tacaggcaca tgccaccacg ctcaactaat ttttgcgtt 540
 ttagtaanag atgggggttc accatgttgg ccangctgtt ttcaaaaactc ctgacccgtt 600
 qatccqccctg cttcggnctt ccaaaaatact qggattaca 639

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<210> 924
<211> 322
<212> DNA
<213> Homo sapiens

<400> 924
ggaaggatgc gattggtag catgaatcat ctgcccaccc cstatcgtag tatggactgt 60
gattgacagt tacgtgcacc acatgaagaa aaaagcagag ttcttcaaac agcatgatac 120
tgtaagagaa ggaatgggg acaagatcta gggctgcagg attaaaaaaa caaccaaacc 180
aaacagctgc tactcttcat acgcgtcatt attcctttcc cttaatttt tgaaatattt 240
aagtatttt ataaattgtg atattagctg cttaaagttat tgtaaataaa attaaatatt 300
gtaattaaag atgtatataat at 322

<210> 925
<211> 307
<212> DNA
<213> Homo sapiens

<400> 925
ctgtcatttg ccctctctga tgaggtcagt taccatgttg tggctatcct gtgaagaaga 60
ccagatgaaa aggaactgag agatgcctc gaccaacagc agaggaggaa atgaatctgg 120
aaacaaccat gtgaataaat ctgagaatga atgcaaccct agctgaacct taaagtacca 180
tctgacaccc tcattacagc cttgtgatag actgagagcc agaggaccac gatgaaccac 240
actgggtacc tgacccacag aagctacaag ataaatggtt gctgcgataa taaatggta 300
ttgcttt 307

<210> 926
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 926
gggactcctc ttagtnagac ttgattctnc ganctngat aaaatcanaa gtggantagn 60
tggaaaaaaaa catgccacct tcttgctgac atttgttta actctcttgg ccaagctgat 120
tcctccttcc tccatactcc caaggcacct gaggtctggc tcttcaggct gtgtgacgac 180
agggacttta aagaggcaat gaaggtaaaa tgaggtcattc aggatggact ccgatataac 240
cgtgtcctt acaagaagag aagacaggac acgnccacaa agcgagggtc agccatgtga 300
ggacagttag aaggcggccg tcacacccca aggagagagg cctggaaana aaccaacctt 360
acacctttagtac atcaaacttn tggctctccaa aactgttaga aaataaattt 410

<210> 927
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 927
atggagtctt cctctgtcat ccaggctgga ttgcagtggc aggtatctgg cttactacaa 60
cctccgcctc ccgagttcga gtgattctcc tgcttcagtc tctggagtag ctggaaatac 120
aggcacccac cttcgtagcc agctaatttt ttgtttgtat ttttgttagag accgggtttc 180
accatgttgg ccactctggc ttgaaactcc tgacctcagg tgatccccc acctctgcct 240
cccaaagtgc tggatgaca ggcttcagcc accgtgcccc gccaagatca agttgttgg 300
ggcagggtcg cactccctgc aaaggctgta ggagacaacc catcttgct tcttccagct 360
tctagggct tccgcagcat gccttggctt gtggctgcat tactccaatc 420

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tctgcctgta tggcaaatta ctcctcctg gtccatctat ctccctgtgt gtcacttata 480
 aggacagtta tcattggatt taagtgcct cctggatgat ccaggatgat ctcatctcaa 540
 gatcctaacc ttaagtacac cacaagtc ctttgcca aatgaaataa cattcaccat 600
 ttncgaggat aaaggacttg gatacatctt ttggangn caccattcaa cacactacac 660
 taataaaa 668

<210> 928
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 928
 atggagtctc accctgccac ccaggctgga gtacagtggt gcgatcttgc ctcactgcaa 60
 cctccacctc ctgagtaaa gtgattctcc tgccctagcc tcctgaatgg ctggactac 120
 agagctgaag tctgccttg ttactcagga gtctggact cctggagttg aaactcctag 180
 cctcaagcaa tcctcctgcc tcggcctctt gaagtattga aatgagatct ctctaagtgc 240
 ctcaggctgg acacaaaactc ctgggctcaa gtgatcctc tgccctagcc tccctagtag 300
 ttgggactac agagaatttc cctaggtcaa atggcaccca gaaactgcct cctctacctt 360
 gaaagctaca ctgtcttaac cttgaccaat ggctgactga tgtggaaatn caaaagtcc 420
 cctncttgc tcaaggatgg agccttgctc tgtcaactcaa gctggAACgc aatcgcgca 480
 tagg 484

<210> 929
 <211> 379
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(379)
 <223> n = A,T,C or G

<400> 929
 gcagcaaatt ccaacaagag agaagtatca ctggatggca aacggagagt ggggtcccag 60
 ctcactctg agggcaggct gaacaccta gggaccatca accccccggng gtgtcgttc 120
 cagtgaaaac cgaactccgg gatgtagccg gattgganag aagcgagtgg cgccgtgcgcc 180
 cccttcctgc ggccggatgga tgaacgttcc ctccaaacctt cttaagagcc cgtgggattt 240
 taccctttca cctgcctccg cttctgtgt atcttgccttcc agttcgtaa gtgtgaagg 300
 ctcagcagcc acaccccgac agcataccgg gaactctcaa tactccctta cccattagca 360
 ataaacaatc caaaaattc 379

<210> 930
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 930
 gctggagtaa aaggacatt gggagatggat ttggaaatgg aacaaaaag ctccatgg 60
 ca 62

<210> 931
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 931
 atcaaaaagca gcatggatct gcctgtggat gagttggaaat catatctgt tcaaaaagtgg 60
 gttcactcc cgacgtctgt tcaggtcaca atttctacag cagagacctt gagggatatc 120

tttcttcact cctcttcact tcttcaacag agtttcgctc ttgtcaccca gcctggagtg 180
 caatagtgcc gtcttggctc acagcagccct ccgcctcctg ggttgaagca atttcctgc 240
 ctccacccct gagtagctgg gattacaggc atgcaccacc gcgcaggact aatttgtat 300
 ttttagtaga gacgggactt ctccatattg gtcaggctgg tctcaaactc ctaacctcat 360
 gtgatccacc ctccctcgcc tcccaaagtg ctgggatgac aggcgagttt agcgccctg 418

<210> 932
 <211> 83
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(83)
 <223> n = A,T,C or G

<400> 932
 gtgnccgtgn agntggncct gcagngccga tccttnccncc ctagtccnnga tgccctggga 60
 acctcttttc ataatctgca cct 83

<210> 933
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(369)
 <223> n = A,T,C or G

<400> 933
 gtttgcac gccagcttct atatattacc ggcctttttt ttttgcgtggg atattatctn 60
 tgnaaaaacg ggggaanact acccttgtn tgcgtgggagg ggacccgngg aaatggttt 120
 ggatatatgtt aaattacntc cnngaggat tttcctgaan aanataanaa aacctntggg 180
 gggaaattttt gaaaaaattt catccaatac cgtngaaagt cttcaaaaat gcttgctcca 240
 agtttcaact gataccngct tgnnttcttga aatttggaaag gggacattgt ttttttatga 300
 caagnnggaa agctttagtctt aatccctggg atnggggngn cncccttgta attaaaaaaaa 360
 tcccccccc 369

<210> 934
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = A,T,C or G

<400> 934
 gtaattttgg aaattacaga aacatgtaaa gaaaaagaga aaaatacagc tgtgtcataa 60
 cctcattgct ggaggcagtc gctgttaaca tcttgtggcg aacactgagc ttcatggctg 120
 actcttcaca atttgcgtgg gatcttgct tgcgtggccag gctgacccctt aactcctgac 180
 ctcaagctgc cctcttgccct cagcctcccg agttgctggg attacagggt tgagctgctg 240
 cacctggccg attttttt ctgtatgaga tttggactc tgaatatttc tttcatccag 300
 gagagagttt ttgcgttctat gtgcagatct tatttgcatt tgggatcagc gactggaaag 360
 ggctcagggg tttatatcat tgcaccgatt tacaaaaagt gttgacagcg gggaggangaa 420
 tctgaaatca gggccttcnc gaggaggctg gctgaccctn atttcctgct ggctt 475

<210> 935
 <211> 486
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 935
gagagaggga tctcattatg actgagaaaa aaatatcaag gaagagttgc aacatgtcat 60
ttgcctccct ctggcctcat tgttatttc tcattctctc ctccccatatt ttgnaagagt 120
gcattgattt attgccattt tcattttta aaacatcttc ctcctaccc aacaaggcatt 180
tttgcccaa gcgagttata acaacttccc cccagttctc cttgtgttcc tctgtcgagt 240
gttcttattt attccatttg taaaaaaagg aattctntgg gccagcacaa agcatctgct 300
gttcttatcc aggcaaagaa agatggtggc atggggttt tatttactga aggctggac 360
gaacgcagag ctaagtgtgc attcctgtgt ctcctggctt tgttaggtgat aaaaaagctg 420
gtnnncctgg caagaaaanaa aanccttcc agaangcaaa atcaatgccg gcnccccact 480
tcacca                                         486

<210> 936
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G

<400> 936
ataagagtctt gctctgtgac ccaggcttgt gtgcagcggt acgatattgg ctcactgcaa 60
cctccaccc ccagggttcaa gcaattctcc tgccctcagcc tcccaagtag ctgggattac 120
agatgaggctc tccaaggac cagatggaga acagatgcaa ccacactgaa gtcagaatcg 180
cagcttgcctt ccgacacactg acgcttcaact gttggcgagg cccactatgc ctcgctctcc 240
ccctggaaatg agttctatcc cagaggctcc tatacccttt agaaataaac tgctcaggca 300
gccccaaaccag ttcatccaag aggcttggaa ccacagcagc gtcgacagct gagatgagag 360
ttggtccctg atcttataca nancccggtt ttaagttga ntctttctt ttccctgnca 420
agaacntttt aaaaaaaaaact ttggggggc cggggcattt tcctggttnt ttccnaacc 480
aaaaaaaaa nttttttttt aaaacc                                         506

<210> 937
<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

<400> 937
cttccacg gggnggnctt gccccttccc ttggggggc tccnntgggg gaaanaaaagg 60
ggganccaataaaaaaaaa tgccgggacn tctcatgtatg acctgggncc ttggtnnnnn 120
tnaaataaaan ccttttttt taccttggtc caataaaaaaa gctgaacttt tt                172

<210> 938
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 938

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agaactggag gcagtggcan tcattanggc tgcgtttggc gccttaaaca agtatttgaa 60
 tcaaggtnnt tgtaaataag aagattttt ggatggatga agaaagatnn ctttattcna 120
 gcacccaaaa aagccaaaag ctttttaant gcccataatta ttgtccccaa agaaaattgg 180
 tataccaggg accctggct taancttatt tcattgcna tggcaggta ccattaaaag 240
 aaaacaatta ngatgccgn acccaaaaat gccaattacc ctgggaagga accagaccat 300
 tagaggttgg gaaaaattat tntggntat tggggaaagg ggtatttccc aacaaaaaaaa 360
 agaccattg ggattgaaaa aggaccggaa cgacttctt tggaccagg aaaaaacccc 420
 cangaaaaa ggtcaaaaaa aaaaaggaaa gccnnccana gaatggattt tcttggaatg 480
 gaaatantgg antgggaang aaccgacttn ttgcaangcc ctcnaacttt ttatTTTca 540
 acccnccaag gncttggttt caaaccccaa caagggaaang gggtttcaa aa 592

<210> 939
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

<400> 939
 tttgctctgt cgccctaggat ggagtgcaga tgcaagtggcg cgatcctgca acctccgcct 60
 ctcgagttca agcgattctc ctgcctcagc ctcccgagta gctgggatta cagacgcgcg 120
 ccaccccccacc cagatgatct ttttaaatgc aaaatgccc catcgccaaa aatcaaagaa 180
 tcagcttaag ttccagaaaa aagaaaaacc naccnaatga acnatnagac naccnccncc 240
 nccacccaaaa aagncttttgg gggattttgg gaaatatttng ngtntnattc ntntacttta 300
 ccngngagaaa aagagnnttt ttttanaant ngncntcca anatggagat ttaaaaattca 360
 ttanggctt ttggaaangg ttcttaaaaat aaatggattt ggggg 405

<210> 940
 <211> 147
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(147)
 <223> n = A,T,C or G

<400> 940
 atgtcctaca acaaatggta gaaagagaag gcatcacaac agagagggtt catgagcggg 60
 ttcccacat ctattatttc attttatcat tgtaactgtg actttcaaaa gaatngagg 120
 gcataattaa acatttactc acgaacc 147

<210> 941
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 941
 atggccacca gagctgcact ggagagtgc tcttctgtt ccatgtgtgg gaagatcact 60
 gtgttctctg tgaccaggta gtgtgaattt cttatctgtt tctgcattaa ctcaaattta 120
 tcagtgatta ttgcctgaat acctcatgtt ttctgagatc tacaggtaca gatttagggt 180
 tgaactcttt ctctaaataa atttaatcca tgtgtgtttaa aaag 224

<210> 942
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (1)...(471)
<223> n = A,T,C or G

<400> 942
agccaataaa ttttcttggg gtcacatgt tttcataggc ccctgaaaag cccggaggcc 60
ctgggtactg tgccttagt gccacgtgga aagaacagct tgggctcagg acttcaggtg 120
gtctccaccc ggccactgga gagaatgaga caaaaaagcc ccagatgagg agactcaaga 180
agctatgaaa ggtgaaggca tttgctcaga gtcacacagc tactgaggag caaaccaagg 240
attnaaccct tcattccctt agcttgagg atcttcagc tgcccagtgc ccgtgaagat 300
gaataaaatat taactattac tattatcatt atcagaatct tcctctccct gaaggaatata 360
aagaaaaaaaaaa aaagcctcct nattctaccc ggtactnac tggngaaccc anggaaang 420
gacttaatct ggcnnggcct cagtttgtca cctataaaag gggatatacg g 471

<210> 943
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 943
aagcctgtct ttgctcgng cttatcatct ctggaaaggg aatggaagaa aaattcaagc 60
ctagccaaaa aaagctggaa ngggggnccc ccanaaagtt ccaagttgg atgggtggat 120
aaanaaaaatc atttctnngg gangacant tccggaaang gcactcttac gcttccnaa 180
aatcantctc ttaccctca aagggtttt atgcttgctt aaaggcaagg gccancccc 240
cgagtttngg ctggggacct cttaaattta ttgggggggc nctccccctt gaatggtgng 300
aaaaaaggggg gggggccttc cttcatatta aaaaagggtgg t 341

<210> 944
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 944
attcatttcgc aagagactgg gttattataa agcaagggtt ctcctctcg ttggtctctc 60
tgcacqcatg aanaaaaaggg cggcccttcc ttcatatgt tctgatccga cacatggcct 120
tgaccagaag ccaagcagat gctggcacca tgcctcttgc acttcccgac atgcagaacc 180
ctgagagaca gtgttcacc atgttgcacc ggcttgcctc aaactcctgg gctaagtga 240
tcttcccacc tcagcctgac aaagtattgg gattacaggc gtgagccacc atgcctgacc 300
taaaacattt tcattcacctc aaaaatatct tttatgcctt ttccaagttt atcaagcttc 360
tcaccccccac cccaaatcca ggcagctgnt gggctgcctt ctgncaactat aaataanaag 420
ngattttaa nagctcacat aaanggaacc atacagaata taatcttg 469

<210> 945
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 945
cacaaagatt gagaaaatgc tggtgncccc caagaaaaga gattttcag caagatgtgg 60

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ggaagaccag taatgaaagg gttgtgagat cttgaatttg caagtaatacg actgcctcct 120
 ggaccttccc cattgagatc tgcctctga tatgagttag gaatctttt gtccatatct 180
 tgagcatttt aaacaaaagt taagcttcac ttanattaa actgcatactc caaactttct 240
 ttgaaaacta atgctgttag aaataaaaga caagtttgta tatgt 285

<210> 946
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(438)
 <223> n = A,T,C or G

<400> 946
 tttcaggggg ggancgacgg nattcatctt naatcaacag tactttgan aagcttcgan 60
 cgggatcaat tccncccccc ccctaacgtt actggcccaa nccgcttggaa ataaagcccg 120
 ggggcgnttg nctatatgnt atttnccacc atattgcctt ntttggcaa tgggagggcc 180
 cgaaaaacctg gccctgtctt tttgacgaaac attcctaagg gtctttccc tctcgccaaa 240
 ggaatgccag gtctggtagaa tgtcctgaaa gaaacagttc ctggggaaa cttttgaaa 300
 acaaaacaaac gtttgtaac gacccttgc angcagngga accccccaac ttggcgaan 360
 ggtgnccctt tggngccaa aancccggtt gtatnaaaaa nccctggaa aagggnngga 420
 naaaccacaa gggccccc 438

<210> 947
 <211> 172
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(172)
 <223> n = A,T,C or G

<400> 947
 aaacttataaa gggggatact tatataaaca cantggccac atttccaaat cttctttca 60
 atcccagctg gtggattaaa catttttgg gaaagtaacc tcctattata aaattaaaag 120
 ccaatattaa gagtttnca caatcaagaa tggtnataa aatttttaac tt 172

<210> 948
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(191)
 <223> n = A,T,C or G

<400> 948
 atgctgcact taaaaggatg cttgtttga tgnccctgctc attgttntcc ctatgaagta 60
 tcaagaatc catccatagag gggngtct ttttanaat ttgagaagga aaacgtacnt 120
 cccanctnct ttatataat gcgagcaaac aaaatatttg ttacaacact tcattcaaat 180
 ttatataata t 191

<210> 949
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(516)
 <223> n = A,T,C or G

 <400> 949
 tggctcacac ctgtaatccc agtgcttgg gaggccgagg cagatggatc acttgaggcc 60
 aggagttcca gaccagcctg gccAACACGG CGAAACCCCCA TCTNTACTAA AAATACAAAAA 120
 aattanccag gcctgggtga gcacgcttgt aatcccangt actngggagg ctaaggcagg 180
 agnatcaattt gaacccangn gangctgcag tgatctgaga tcgtgccact gcactccagc 240
 ttgggcaaca gaacacagac tccntctaa aaagaagaaa gaaagaactt ctatTTTTA 300
 aangttttt ccttcattt aactccatnt atngccttgc cattcaaagc ataaagatta 360
 aattttaaaa caaggcttgg ccccctggct tatgcctgta atcccancac tttntgagg 420
 ccaagggggg cgggatcacc tganctcaaa ngnttagaat ccntctggn taacattggg 480
 gnaACCCCT tnctntaaga agaACCCCAT tttta 516

 <210> 950
 <211> 503
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(503)
 <223> n = A,T,C or G

 <400> 950
 gtggaaagatg caatgctgat gtttgataaa actaccaaca ggcacagagg gagagttagcg 60
 atttacgaag agcaaatgga agcgaaaacc cctttnttc tttggggccgg ctgtgtattt 120
 ctggggcact tggcagacc cccaaagaca tccttaaaga caagagaaat cgggggctgt 180
 gtgaagatgt cacatctgca gatagggttc gagtagagc ggcctttgg ttttctcct 240
 catttggaga aattgagaag tagcacggaa gacctccana cccagagctt gtgtacggca 300
 cagtccttga aggatttgct cccattctca gggagcaaga cccatctaa acgtggaaac 360
 aaatacagca gagtaataca tacttgaggc ttaatgnaaa gtaatcctt cttggcacag 420
 cccagatataa tttgaataaa tggctcgca agtgctgaaa tatcttgata atgnccgtt 480
 tactttgan tatataatca att 503

 <210> 951
 <211> 472
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(472)
 <223> n = A,T,C or G

 <400> 951
 gaccctgggg agctcctgcn ttnagganca cctgagggtct aantaaagcn anggaacatg 60
 ctngngagcca accaaggaca gcctgactcc anaagataca ttcttccgaa ataagacata 120
 aagccttttgc tccagtagca cgatcgaggg tactctgcat acagatggag tttcactctt 180
 gtggcccagg ctggagtgc atggtgcctt ctgactcac tgcaacctcc acctcccagg 240
 ttcaacggat tctcctgcct cagcctccca agtagctggg attacagaga tacgattttg 300
 ccatgttgc caggctggc ttgaactctg cgctcaagcg atccacctgc ctcgacacctcc 360
 caaagngntg ggattacaga catgagcccc tgcgcctggc cagcttcacg catattgnata 420
 taatcttcat ggacaaatcg aaactcaaan ggagnttgc tcttggtgcc ca 472

 <210> 952
 <211> 476
 <212> DNA
 <213> Homo sapiens

 <400> 952
 atggagtgac tctctgtcactt ccaggctgca gtgcagtggc acgatcacag ctcactgcaa 60
 cctccacccctt ctgtcctggg ttcaagcgag tctcctgcctt cagcctctgg agtagctggg 120

actacaggag gagcaagtgc cattctgcct caagacccta acccaggcat ctgaatctct 180
 cctgagtggt ctcccttcat tcctttcag ctccacttgg cctagtgaaac tccgactcat 240
 tctgcaagtc ccagtacacc ttcttaaca gtctgcatga ggcagactct cacagttcac 300
 tctatatttc ttccatgaca ctcttccaa atgtaactaa aggattactt gtataatttt 360
 tccttagca tttgttttc aaactagact gcagctact ggaagcaggt cactgaaatt 420
 tagaaggccc aaccaacatc tttaaatga aatcaataaaa gcaaagatgg cacaag 476

<210> 953
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 953
 gtccataaaaa gcccctggct cggccacagc agggcaaaga ccagaggaca gagagaggaa 60
 ggggataact acctgcagag aggagctatc ctcttgctg agagcttcag aggccctgcag 120
 agacatctga acaacctgcc tacaaagagg agccaccctc ttcagagcct cctctctgct 180
 gagaacagca gacagcagga tgaccagtgg gcagagaaga gctacccct ccagggcctc 240
 ctcttgctg acagctgaac actccatggg atgacctgac tacagagagg agctacccac 300
 ttccggtctc ttctgagcca ttctaaactt aaataaaaatt cttcttcattc ttc 353

<210> 954
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 954
 gtttgactc cctagaacac ttcttatcaaa caaagccgaa acggggagga cagagagata 60
 ttacacgaa gtttaccac cttgcccagg atggtttca actcctgac tcaagcaatt 120
 cggcaacctc agcctctcaa agtgggtggg ttacaggcag gagccaccaa gcctggcctt 180
 acgtacatct ttgactctc caaaaactta actactaata cccttcgtt gaccagaagc 240
 cttagtagta acataaacag tcgattaaca catatttgt atgtttcatg tattatatac 300
 tgtattctta caataaaaata agctag 326

<210> 955
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 955
 gtcctgcac ctgtcacacc acaaacaatg ataaaaacgg agacacctgg gtgaggctca 60
 ctcaactgcgc atgcctccat cttcgaagag ctccctgttca ctgtactctg aaatagactg 120
 tgc当地 aaaaactgac 140

<210> 956
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 956
 actccattgg caacggagca gcagaggaga gaagagaagc atctgaacgt tgagaggaga 60
 agcagcagct ggacattgga gactacagtc ggagaggagt tcaaccagag atagttggag 120
 agaagttgg tcagacagcc gaactccagg gaaataaccac cttctcgctc catccccctc 180
 ccagtccccc ctcccactgg aagccacttt tatcagcaat aaaatcctcc gcgttcaaca 240
 ccctc 245

<210> 957
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(373)

<223> n = A,T,C or G

<400> 957

gagggcatcc caggagaagg cagagtccag gagggcgatg ttgggaagca aatcctgaac 60
tcatcaagtc ccatagcccc tttgtctatg gaccttctgc cagcatcttc tgtaagacta 120
ttaaaaatgca ccaacccaag gtctccagtg ctgctgagtc ccccggtca ctcctgcaa 180
ctgccacagt tgtcaacagc tcaaattcta gagaccttct tcatttagtc aatgagtatc 240
taaactttaa aaaataaaata aagggttaat tattagctt ccccccattcc caacaaaaaa 300
aaaanggccca gnngngccan ttcanntnga anttanccag gntgaacttg ntnaaaaggg 360
ggggactacc caa 373

<210> 958

<211> 412

<212> DNA

<213> Homo sapiens

<400> 958

gagatcccc agtactttaa tatgtaccaa caattggcta tgttatggaa tctgcaatgt 60
ggcctccgc gctgacctct gaaacacaat tcccaagtctg actacggaaa ctgttcagtt 120
tgatccttc aacttatttgc aatcctgaca aataagctca cagctgaaag gtcaacatag 180
tcgtatttca tcctccagag ctgttcttaa gacatctgca caacaagca cttcttatag 240
cacctgacat gggccctcaa tggcactgta cctcattaaa aatgtcccct gcacatgcgcac 300
gcattccaag gcacatggtc tggtgatggg ttaccaaata agtgttaca gaagggttag 360
taaacaaggc agattgtcaa ctttccaaat aaagcgtcac tatagtgctg aa 412

<210> 959

<211> 248

<212> DNA

<213> Homo sapiens

<400> 959

agacggggtt tcaccatatt ggttaagctg gtctgaagct cctgaccta aatgatccgc 60
ctcggcctcc caaagtgcgtg gaattacagg cttgagccac catgcccagc caaccctata 120
gctttgcctc acctggggagg agctggagga caaaggactt cacagaagaa tggagtccca 180
aagaaaacgc ttcaggaact gaggagagcc agaaatttaa tgtatttagg gctcccttgt 240
gaaaacac 248

<210> 960

<211> 455

<212> DNA

<213> Homo sapiens

<400> 960

tgactgaaac gctgaaccaa gcttggagct ggagcagcca ttttgggcca cgaggtagaa 60
gccatgtgtt gaagagaatg gaacaagatg gaagaaacct ggtgatcagg gagccgccc 120
aacagtcttgc ggttgcgtct gtttacatga gagatgagga aactgaggct cagagagggt 180
aaatatcttc ctcaagaatt ttcccagag ctgggatttg aaccaaggtc tgcttgactt 240
agaaggcagt ggtccttgct ttctcccgag gagaaggag cagagatacc taaagatgcc 300
tgactcccaa tcccattggga acatgcccccc tgcgggctca cttcctctcc tctttgtctt 360
caatttctaa gaatgtctt ttttactaa aacaaaacac tccagaatgc attctgcatt 420
aataaaagact gccaactcca tggcagaaat aacat 455

<210> 961

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 961

gtaattcatg cagctcctga gacaaggattc taaccatgtat gaagttggaa ccggagactt 60
 ctacgagagg atgagtcaaa actcagtaga aaaggcagtc ctggctccct gccatgcttc 120
 tctccctac cctgctcaca agggctgatg tggctctc caaccatcac tccattgctc 180
 ctcaagtggaa cagtggaagg acaaataat ttcagcccc aagcacaat cacctgattc 240
 aaccctcatg ggtgacctag tcaagtggcc acctctggc cctacatcatg cctggcccttc 300
 cttttatcat accacctgtc taactgtatt ataaggatct tttccatga ctaaattttt 360
 ttttggaaaac aaaaaaaaaa aagggnncnng gggnnncnttn nnntnggnct tnannngggg 420
 gaantnttn aaaagggggg ggg 443

<210> 962
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 962
 gagaacctcc ggtgctgaag aatagagagc tgcccggccc gcctgggaga aacccatcaga 60
 tgcggccccc ttgttcccccc gccgacagag gcttgatgcc gcttcaagtg cccgcgttta 120
 tttttgtcag ccattctc cccactcc tcccaaagaa agcattcagt gagtcatcg 180
 gagacccgga gacatctgac ggtgctcag ctgtatccg gccactgagg ggaaggaggaa 240
 gtgtgttgcgtatccg gttcccttgg actctccctg aagaaactgc atagattcac agactcctgg 300
 aaaatcagaatcc cccagaatgt gcacatgata cacgttttgtt gtgtgttgcgtt atttgttattc 360
 actcacggat tcaacaaata tttgttgcattt acctgcc 397

<210> 963
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(554)
 <223> n = A,T,C or G

<400> 963
 gaggaactga cgaggcctcn tctaccacat aaaaattgca gcaaaccctg cagctatcct 60
 gaagctgcca tgctgaaaag gccaatttggg agaccacata gagaccgaga gagacttcca 120
 aggactccag ccaattctgg gccccagcag tttgaatctc ccagcaatgc caccatacag 180
 gagagggagc aaataactcan aagattcaag tgccagctgc atgggttgcgtt acctacataa 240
 aaggcattgg cattattcac aagagccaaat atatggaaat aacctgtgc cattgacaga 300
 cgaatagatg agggaaaacgt ggcataataca cacagtggaa tattattcgg acttaaaaaaa 360
 agaaggaaat cctgaatcct gctatttctg acaacatgag actgcaggac gttatgaaan 420
 tgcccattca tgcttnta aaacttntca tccctcagnc aanaaggggg agcctattta 480
 cccctggncct tgaantggaa naaggacttt tgccctggcn ttgttttan catccccttg 540
 ntggaaaaaa aacc 554

<210> 964
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 964
 atttttcttg gatttttattt cccttcaat ggctactct cagtgttggt gtctgagctt 60
 cctctgtgtg gaacagaaga tttttaaacc tgtatattta tagcaaacaa tgaatctcta 120
 aatagttctc c 131

<210> 965
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 965
 gctgtatgtt gatggatggat gatggatggat gatggatggat gatggatggat 60
 tgagacgggg tccagaagga gcaagatggg atggctttgg actgagacct taaattccac 120

ccagtttatt acaaccatgc tcactccctc acctgccctg ccccaatcg 180
 cttctccagt cttgttcct ctctaatacc taggttgtct ctgttttaag aaggcaagt 240
 gccagtgaga gccttaact accttagtgt tctctaaata agatatgcct ccatggagtt 300
 gtaag 305

<210> 966
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 966
 gtgattgcaa atctatggat gagacccaagg gagaattttc acgccatcat agcattttat 60
 tcctcacctg actggaaaca gctcgaaggg aaggacatgt ctccaaagac atgaggagta 120
 ttcaacgtgg cattcgaggg gcaaggaaaa acctgcctat cccaaagatct cagccccatc 180
 agccagccaa gggatccaca atgaccctta tgaagttca taaggaagct aattgcttaa 240
 atgagatttg agtcaagaag gatgacccatg caataaacctc tatataatctc attatgccaa 300
 tacttaaatg gctacataag aggacagtcc agtgacacagac atggaaagag gcttagaggt 360
 catctcattt atcacaccat tttacagagg aaagcaaaaat gccatccaga gaaggaaagt 420
 cacaaggcca tctaaccctt gacctgggg tagcagctga tcacagcggg tcggacaccaa 480
 gaagctgctt ncaaaaatct ttnctttcat ttggctacag agaagacatc agaaaacaaa 540
 antttataac atggctctag ctctaactca ctattcacta aaggccaaa ttaatagggg 600
 a 601

<210> 967
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 967
 agacgtgagt ctgtgtgt tgcccggtct ggctttgcct ctggaactca agcgatcctc 60
 ccacctcagc ctctcgagga gctggacta caggcgtgca ccatcatttc ctcctaaaat 120
 tgtatgtgct gcatatataa aatgataaaat gctttacata t 161

<210> 968
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 968
 cttctccaga ctctgagttt gaagcaaattt aagattgggtg gcaagagcac ccactcctcc 60
 tgcaagtcgc ccagcagtga agtagggggc ttggacacag ggagagataa atgtgggttc 120
 ttctaagaca gatgcaggat ccagtttatt ctttgaagtt tccagtgttc tgcactctac 180
 tacttgacat ccatcttcc ttcatgaccc cctgctctat aacttcaggc tcagcaccaa 240
 acagaataaa cagttgaatt aagtatggct actacataag gtcagatctc tataataaaat 300
 tctttactctt acctc 315

<210> 969
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 969
 aaccacaaca tttggagatt accaacatgg ttttcagccc tcagctttgg cgaagacttc 60
 ttcctttca ttctttctg ggcaaatcta aacctttggaa gaagtagatg agtgaagtca 120
 attgcaaaga agaggagttt gggacacaga ctttgttgag gacacaggga gaagacagcg 180
 tctacaagcc aaggagagaa gactcaggag gaaccagct tgcccacacc ttgatcttgg 240
 acttccagcc tccagagcat aagagaataa atttctgttg 280

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<210> 970
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 970
ctgttagtgca gtggcacat cttggctcac tgcaacctcc acctcccagg ctcaagcaat 60
cctccccactg cagccctccga gtagctggga ctacaggcat gtgccaccat gctgggctaa 120
tggcgatatt tttttaaaag atggggtttc accatattgc ccaggctggt ttgcactct 180
tttagatcaa gtgatctgcc tgcctcagcc tcccaaagtg ctggaaattac agtgcctga 240
atgaagtggc aaagactgag ggccttgggg agcaagtctt caactgcca acagtcagt 300
aacagataaaa gaaccacaga aacagaggac tggtcccagc nacgtcaga ccccccagcaa 360
ggagccagtc tgcactgacc cactgaagaa atggctcccg ggggcttgac tttgtatTTT 420
aaaaaaaaagtgc cgcaagtcaa cctaaagact gtagcttca accactgatg tctcgggtgn 480
acacttgaca tttggaaaan tnggctggtc atttcacccc acccatcatg gtcccttnt 540
tttactgagg gtccaaaaca caaaatcacc tttagaatcat ttggttt 587

<210> 971
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 971
gagggccact ggccttggaaag accagacaga aggctgcaga ggctggtgcc gctccacatc 60
cactcaggcc caaggctgac accttggagg acacgctgga gacacgtgga aagttgacca 120
ggaacagagc caagtagttc ccaggctccg tggcatcaa agggatgca cttttccag 180
acccaatcca cagctgcagg cagcaggcag gagctgcac tgacaaacga ctcacctcg 240
cacactgctt gattccagaa cctgcgttct gacaccgatc acacctgcca tcccctgccc 300
ggcccaacct cactcaggaa tgcctgcac ccagcagcct gtcgtggct gtgctgcgaa 360
tgccacacat gggccaggct cttcctcccg caggccttc cagctgcct ctgcagcttc 420
cttgagctcg ttctttttt ctctgtgagg catgnaagtg agatgoatgc acccaccttg 480
gtatt 485

<210> 972
<211> 221
<212> DNA
<213> Homo sapiens

<400> 972
ccgctaaatc tgtgttgctg agcctgctgt ttgcattgcag gaatgtgaag gactgctcaa 60
gttggagata caaatttgaag ccagccccag ttcaaaaactg ttacaaatgg agtctgtagg 120
catgaggggc tgactatata actcagagtt ctcagactt ttactttaat aaagaacaca 180
atctttatta aaggataagt aataaaaatg tgttgatgtc 221

<210> 973
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

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<400> 973
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 ctttaccaag aaagttgccg tggacccta ggtcacatag cctgaccatg ctcagatcaa 120
 ccaatggtgc aaccacagga ggaacctaag tgctcagctg agaagcaggg actgaatcaa 180
 gcagcagaca cgatgataaa gtttggatgt ttgtcccctc aaaatctcat gttaaaatat 240
 gaccccaatg ttgagagtgg ggtctaata gggagtccctc ccaagaatgg cttagtgccc 300
 tccaagagga aatggcttgt aataagtta cacagattc ggttgttaaa aagagcctag 360
 cacccttccctt cttctccctc gctccctctc ttgcatagtga cacacctgct tccccttgc 420
 tctaccatga gtaaaagctt cctgagatct caccagaago caagcagatg ctggtgccat 480
 gcttgcagc ctgcanaact gtgagccaag taagccttta ttctttataa attacccaa 540
 ctcaggaaaa catttataca atgaaaaca aaccatatt ac 582

<210> 974
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 974
 gttggctctcc ctgtgtgggt acaagatgac ccccgccgtg tcccagcaca ttcaaggagga 60
 acgttctgcc gtctcagaat cccagccccg cacagcagga cagaaatgct ttctctttt 120
 taaaggactt accattccgt attctgagcc tcagtggtt atctcatgtc gtgagtccca 180
 ttaagccagc cacttggacc agctcaataa aatgctccaa tgg 223

<210> 975
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(536)
 <223> n = A,T,C or G

<400> 975
 gcctacagtc agctccaagc aacggcacag acaccccttc ctccggatga ccaggattgc 60
 ctctgggtt gtcacaagct ggaacagggt ctttggagg atggggctt gtgaagaaaa 120
 agaggtgaag tggttggatt cagtctgagc caaaggccac tttatctggg ttaaggaca 180
 caagactccg tgaaaagacaa gctagttttt cttctgccc cgggagtcac ctgcaggccg 240
 atgcagacgc aaccacttcc tcagccgctg tggctgagag cccgcccactg cactctatgg 300
 gcttgggtct gggtatggag aggagggtt gacatagccc ctgccttcag agtttttcc 360
 tactcattat ccctgctgtc tctggggact tcttaaatgt cagcaatcat tgcataatcc 420
 actgttgctc cgcagcaccc cacatggctg cacctggggcc atctnctctg atgtaaaggc 480
 tgtgcagcca aaatttgc当地 ttcttcccccc agctttaaa attgttaaa atatat 536

<210> 976
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 976
 catcatgttg ccttttaata tggagcatgt gccatagctc tccaggagaa cccctctgtg 60
 tcacagcgaa cctcggtcac tgacactcaa aagaaggaat tatttcaact caataataaa 120
 caaataaccc tattttaaaa cc 142

<210> 977
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

<400> 977
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 ccgaggcctc cccagctatg cctcctgcac agcctgcaga actattacag ggagcaactt 120
 gaatttaatn cttctgattc caagtgtggt gttctgcctg tgcatacggaa agaaggacga 180
 caccccaggaa tgtgcccact gcagatggaa gcttggaaagaa actgccgtt tttggagctc 240
 aatgtctcctt ttgggttatt ttgatgcatt tttggggagg gacttttgct gtcccagtgc 300
 attgtcttga antttaaagg ttatccttaa aactcatgct tcctt 345

<210> 978
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 978
 aaacgaaaat ggacggccat atgtcacaag agaatgaaat ctttgcctcc aatccctgtc 60
 ttcagagctg acctagaagc cagccactcc actcagaccc aattcggatc actatgttcg 120
 tgaggacttt aacagcatca ggagctccct ctgactgcta tatgaagaga actgcactcc 180
 tgcccggca acagagcaag actg 204

<210> 979
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 979
 gcctctctgt tcctttagac acagcaatat taaaattggg ccaatgaata accctacagt 60
 agcctatcat tcactttggg gaacggaaagc ttttgtgagc aaccctatgt gagcctcctg 120
 tcctcagcta catcgatgag cttggcagtg aattatctag tcccatccaa gttccagaa 180
 gactgcagcc ccagctgaca gcttgactgc aacctcatga atgtttctga gctaggacca 240
 cccagttgtc tctgaattcc tcaccctcag aaactatgat acaataagtg ctgattattt 300
 taaattgct 309

<210> 980
 <211> 589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 980
 gtggggtctt tcacaccgtt aggcaactcggtt ntcctcggtt ccacccgtt tggaagagca 60
 tagctggac cacacaccaa cttccaagg acccaactggg agccctactc acacggactg 120
 tggccagagc cttggccaag ggttcttag tggaaatat gtcacttca ttttggaaaga 180
 ttcagccaac tctccaccag aaagtcatca tcaacagccc ctaccctcga ccatggatga 240
 gagcaatgc tccctggcg ccagccagat ctgatcctt tgaccattcc gacagcagtg 300
 atcgaggaac agaaatgccc agtgtctccc tgactggctg gggcatcatc cagaccaggc 360
 ctccctggctg cagccctctt cccaggctgt cctctgcaca agggctgtt gcaagttgca 420
 ggcggaggca ggacagccat cctcaagctg cgactcgcc tacgaacact ctntacaccc 480
 aggcccttgcgt gtgtccatgg tctccctggc agatcttggc caaggggtgtt cttaggtgg 540
 cttcatctgc gtccggncga ngcctgccccg ccggccgtt ggtttctt 589

<210> 981
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 981
 cacacaaacctt ctgacaagga agaaaggcca caagggatg ttgatcaaattt ccaggtcaga 60
 actccatcaa ggtggacaga cactcaacgc cctggtagat aacaaagaca acgggtggacg 120
 agcaataaag aatctaaca aggtctcaaa ggaacagcaa atgaattca attttaaag 180

gacatgggtc attctagaaa tcaatgtgtg tgcaatccaa cagttccata tataaataacc 240
 agaaaatatt tatgaagcg 259

<210> 982
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 982
 gtgagcacac cagatgctgg agcactcctg ggaagagaaa cagaaagagg aggaggaagg 60
 gtgcacaaaa caatgtctta tttggccatt tttcccttga ccctaattgtc agaaaggaag 120
 gagagagggg agcttaata atttataaaa tcctggtgaa ttgtcaatta agtaaatcct 180
 ttttaaaatt t 191

<210> 983
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 983
 gcctcataac ctcagttgtt actgatgctt gtttgggttgc tcaaagaaga atgaggagag 60
 gagatataagg aggtggactt ggaggtttgt tcggagtcac tggctgcagc aagtctcctc 120
 ccacacagcc gaccccatc ctcagacctg cactctgtac agcatggcta ctgaccaact 180
 catggtaaaa tgcgttaggag aaactgaagc acagctgagg tgcccaccat cagtagagct 240
 aggccagcat cagaggaagc tgggcctcca agcccttctc ggactcagaa tcctcccagc 300
 agataacccag gcagaggagt gtgaactctc agcccttaaa aagggtttt ctctattttc 360
 catgagttag gatccatgtat tacagtccag tcccttaagct ataatctctc agaaagagga 420
 gcgacaagaa gcggatgtga gaaagtaaag agattttcag gcattaaaag catggaaaga 480
 acaaggcagg ggagatgcct acccccttgc ctggaggact cttggcgctg tgctgggtnc 540
 acttctggga aaaaagnct gaatgnccac tccatgcccct tctgggtcaa aanccccccc 600
 ttgttgaat aaagattgtt 620

<210> 984
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 984
 gcagactggg tacagtggaa aactacagga tgcttggcc acatcaactac caaccatgtc 60
 aactgcacag acacaaaagg caaacaggtg aatacagatc aacaagttgg tcagttctt 120
 gctaataagag ctgagccact gtcacttgc atggatgtc agggccctgaa caaccttagag 180
 gatctaaagg caacactgag atcaactgacc cgagtcctt cccagcgtac ctaaaataga 240
 tatcacattt cccagatggc aacattttct cagaggaccc aaaatttagc cccttactga 300
 ttttgaggtt cctgaccctt catccaacag ccctgccttc ttcttcctca cagcaatgaa 360
 gagtgaagg ggcgggggtca ccctaattgaa ctgaatcaca ggagtttaact gctaactcca 420
 cctgggcaca atgggtcaga ccaaagtcta aagctcaaaa cagtaaagca gacatttaca 480
 ttggttcaca caggt 495

<210> 985
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 985
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 tggatgac tcagagcagc tcatccatcc aactagagac tagagactgt caacagctca 120
 gtaactttgt ctgaatatga aggacccgaa ggaccactga gattggagac agaacaagg 180
 ccacaggatt ctgctgcaaa ttctaacagg aggaggcaat ggcagccctt actaaaaccg 240

cagaactaca ggaagaggat ccctgagtgg gattcctgtg tgaaaggcat tttcaccttt 300
 ttgttatct tcagaatctt aactttcatg agagaagaat agaaatgcaa caatggaaaca 360
 atccactgtac tacacgttagc tgacaattta ataaaacttga aggaaatgct 410

<210> 986
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 986
 gcatgaagct gcctgacatc taaggatctc tgaagagaac tgggacctga aaccatctg 60
 aaatgtatct gcagacaggc caagttcatc gagagtccacc tcctgcctga cactccagtc 120
 attaattcca gccataacta cagctttat tggacaagag actgattca gcactttcta 180
 cagataagaa gaccatcaac catggatgg ttctggccgg tttccagaag atacactgtt 240
 acatgccttc atgcctgaa aaggcatttt gatgtttagg gcctagttgt gatacattta 300
 aatgtctcat ttctcc 316

<210> 987
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 987
 ggcaagccag tcacccggaa aacaacacag ccaccctaaa gagaaagatg agctgcgagg 60
 cactgatggc atgcccactg atgttatca agtgcacgac ccgctgcgga aagagacacg 120
 tggccctcca aaaggcactc tgcttttaa ctctcaggc tcagacaaca aaccaaaagac 180
 actcctgaga ctccagcagg agtgccccag acagtgcacg agcatgtacg atccattcct 240
 tattttctct atgtcatttc cctgcagagt caaaaacaatg cattcattta aagtc 295

<210> 988
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 988
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 caggcatggt ggctcacacc tgaatccca gcacccccc atgcccggc agctggatca 120
 cttgtggtaa agagttcaag accagattgg gcgacatgtat gaaaccccgat ctctactaca 180
 aatacggaaaa ttggccatttgg tggccaca cgcctgtat cccagctact caggaggccg 240
 atgtgggaga actgaaccct ggaggtggag attgcagtga gccaagatgg cgctactgtg 300
 ctccagcctg ggcaacaaag caacactatg tttaaataa ataaataatg gctgagatct 360
 cagaaaatac aaaaaaaaaa aggccagcga ggccaattca gnttggactt anccaggctg 420
 aacttg 426

<210> 989
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 989
 gtctcgtaag cagagacact gactacccctt tacgtggagt acctctatgg agagtaaagg 60
 atagtttcc ttacagccctt ggaagactga gagagcatct cctccctaga aaaggacatc 120
 catgcttact gccctttata aaagattcaaa gcttctaaatg ttcagggtgt tgctccctgt 180
 aatgaaaccc actgtgtttc caagtatcac ctggccctcc ctcttgatat ccctctttgg 240
 gaactggggc tcttaggaact gggaaaggca atgccaatac tctggctatt gctattactc 300
 tgagtaataa aagttccatca tctctac 327

<210> 990

<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 990
gatgagaccc aaccagaatg tcagaagagc tgctcccaa atgtatatga agaagtaaag 60
tctaataatgtg gaacaagggt tgcgttggtt gaacacaata atgtgccatc cagattggcc 120
ttcaagaagg gacttgctct aactgtaat agtgctgtca aaaaaaaagcc ttcatggca 180
gatTTtcagg gacccatca gatgcaaaga gacacttcac ccaatgtcat gtctttccca 240
atgtgatcca taccatca tctgattaaaga tgggagtata agggccagac cactttggtc 300
caaagcagga caactctgac aggtcatttt agtttcagac ctccccacag aagccatcaa 360
cactgcact ggacgaaaac tgtaactcta cttctccaca tgctcaatct tgnatccttg 420
ctctgcctc ataaatgttc atccaaagggt acttcctaataa atattctg catab 475

<210> 991
<211> 307
<212> DNA
<213> Homo sapiens

<400> 991
aaaatacata ccatcagaac aaggcaaaat ggaggttatac tacattgtat ccctctgtct 60
tttaaattct aaagagtcca tgggttgagc atctcaagga agtgaggccct cctgccaatg 120
gccatgtgaa tgagcttggaa agtggatctt ccagcctcag tcaagccttc agataactgc 180
agccccatct gacagtgtga ctgcaaccct atgaaagaac ctggggccaga accaccacgc 240
taagctgctg ctggactcct gactctcaga aactgtgtga aataataaat gcttttg 300
ttaacct 307

<210> 992
<211> 305
<212> DNA
<213> Homo sapiens

<400> 992
atgtggctac cacaaggga cctgaaggag actgctgaag accctgagac cctaagctct 60
gctaaccctt tttggatga gaatctgtct tctcatggag cctaaagagt tgtgaagatg 120
ggtatggtgg ctcacagctg tgatcccaac acttcggaaag gctgaggcag acccctgaat 180
tccagcaacc agtttgaagt cccccacaga ggaacgggat ctgcaagaga atacagttc 240
ttcatctccc tggccatga cttcatcctg tactctttaa caaataaaaca attgccacac 300
ttcgg 305

<210> 993
<211> 326
<212> DNA
<213> Homo sapiens

<400> 993
ggaggaggca gcctcgaaaa tgcagcccgaa gtcgtggag ctggccgtgt ccatggtc 60
gagaatatgtg acttcgagaaa catctgaccc tgcgtccaccc ggccagtgtc ctgccttga 120
ggatccagg attacaagg cttgtttctt caaccttggat tggacttaac acaccggaga 180
ccatcaatggaa cgttgggtct gcaaggcaca gatcttccacc aggatccctt ggggagaaac 240
caagcaactt attccctgac actagacagg cgtatccctc ctttgagaa aattcacttt 300
ctaaaaccat aaacaacagc tggttg 326

<210> 994
<211> 286
<212> DNA
<213> Homo sapiens

<400> 994
 attttcaaac tagaagtgga aaagctactg aagcatctta caaggacata aagtcaaatt 60
 tgacctcccc actgccttag cttggcaaa tgaagaaaa gcagaagtga tatgtgtcat 120
 attggatgga aagaattccc ctgccttct cctgttcag tgattgcaga agcactcaag 180
 ctgaagcctc cttccctgt gtctatgagt cactctcatg agccatactt gccaccctgc 240
 accagacatc tggcataagt gaggaataaa cctctgtgtg gaatgc 286

<210> 995
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 995
 ctggcaaaaa gagccaatgt gggtaaacgc cattccagca gcacagccga ggaggagact 60
 ccacgtggga ataaatcaag ttgaggcaga aactaaataa gaccccaatt ctaatttatt 120
 aattcaatct tttgctctca ttttatctaa cacatgaatc agttcaattt ccaagccatg 180
 tgtgcttcg atgtcaaata tataataaac taagtttca ctg 223

<210> 996
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 996
 taaatcttgc tactgctcac tcttcggtc cacgctgctt ttatgagctg taacactcac 60
 agcgaaaatc tgccgcttca cttctgagcc cagcgagacc acgagcccac caggaggaac 120
 gaacaactcc agacgtgctg ccttaagagc tctaacaactc accgcgaagg ttcgcagctt 180
 cactccttag ccagagagac cacgaaccca ccagaaggaa gaaactctga acaccagaag 240
 ggacagactc cagacacgcc accttaagag ctgtAACACT caccgcgagg gtccncggct 300
 tcattcttg agtcaagttag accaagaacc caccattcc gggcacactt tctctttctt 360
 tctttgcctt attaaacctc tgctcctaaa ctctcatct gtgttcatgt tctaaatttt 420
 ctggcacga gatgacgaac tgggtatTTT atccagacaa tgccggcgct tcaacatgtg 480
 cactggctcg ntatggaaaa tggtnaatac ctgctaaaac ttctctgtct ctgctacaca 540
 agtgaacacct gacntttca ttttgaaac ataca 575

<210> 997
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(527)
 <223> n = A,T,C or G

<400> 997
 gcaagaaaatg aacgtgatat tttctccgcc tcctntcttc tgactgagaa gatgattcc 60
 ggagataatc cacttggta tccgcggatg tgaacataat ttggaggcag cagtcaactcc 120
 agatggcccg ctgaagctgg gagtcccttag ttaatttcaa gccaaatttc tcaactccctg 180
 gaggagcaga gtggagggtg tttgtgcata gagaagtcca agatttcata tctggaaaag 240
 aagactggga gaggccagca tgaatggcca ctgtcctcgc caaatctgga tggatgtct 300
 taagtgatac ttgcaccagt gaagctgaag atcacaatta ctgcctcaaa tactcaactgc 360
 ctggaaaccg gccacctctg ctccaaaaca aggcttgct atgtgctgac ctgtgtccca 420
 agtccaccc ctgctgctt ttccaaacngt ctgtcttct gtcttcctcc aatccgactg 480
 cagtgggtt ggcaagtgtt ngtgtgggg gtggaaagtg gagatgt 527

<210> 998
 <211> 373

<212> DNA
 <213> Homo sapiens

<400> 998
 gctggagtga tcatggctca ctgcagctcc aactcttggg cccaaggat cctcccgct 60
 cagcctctga gtacctgggg ctacagatgc atgccacca cacccaggaa aagtgtttac 120
 ctcactgccc aatttacgga ggatctctgt ggatggtaaa tcagagaaga gtgtgaaagg 180
 attatgagca ggagaatgac atatttgac tatgtcccag agagacaaca ctgtatgataa 240
 tgaatataat cggctgaaag agaacaccag aacactgttt agaaggcaac tataacatct 300
 caaatttagtgc acgactgtca tctgaaccat ggagaagatt ttctaaaata aaactagtag 360
 gaatttgc 373

<210> 999
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 999
 atggaaaaac aagacaccaa gaggctaagt ggtttacca aggatacgtg gcttgtaag 60
 tgccaagctc tccatggcat attatgctgc cttccaagtg ccttaggctg tggact 120
 ggggcattct ctctgcaatc atggctgtga gtgataggtg gacttgc 332
 acctgccccatc catggaaagt caacaccaa atatgttgc ttataactact agataatata 240
 tgactattat actgcaaata atcttttga agcaaattat aggaataaaat tgagactaag 300
 aacaataata aacttggaa atttacaaag gc

<210> 1000
 <211> 556
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(556)
 <223> n = A,T,C or G

<400> 1000
 caacgtgatg gctgcagtcc agcatccatt gtggaccatg aggcaatctt gagaatggaa 60
 accatacaat acaatagtca aagaggaaag gttggatcga tcagtgaagt ttcacagaag 120
 ttgtgacatt tgggttggat cttgaaagat aatgggagct ttgaaggtga atgaaaaaaag 180
 aagtggaaaga acattcctgg tagatggAAC agcatatgcc aaagcacaga ggtccacatt 240
 gccttatga gctgtatac tcactgcgaa ggtctgcagc ttcactcctg aagccagcga 300
 gaccacgaac ccaccgggag aaatgaacaa ctcccacgcg cggncttaag aactgtaaaca 360
 ctcacggnnaa aggtcgact tcacttctga gctacgagac nccaaccnc naaaaggaaa 420
 aacctccgac cttccgaca ttcanaagga ccaactccaa ccccccncctt aaaagttgac 480
 cttncccgga agggtccggg gntttttnt tgaatccng gaaccaaaan ccnccattcc 540
 gggccagttt tacc 556

<210> 1001
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1001
 ccctggcact gacccagct cggcaaccca gatgagagct aattttgggg aaatgacttc 60
 gcctcttggat gtctcagtga gaaaacacca agaaccctc aaggagcagc tgcaggtgaa 120
 gcgacgacat gcacacgatc catcagaccg cgctggacag aggcgcgttgc tcctgtttct 180
 acctctcccc acttcagagg attccttcaa taatcaa tttccaaaca ag 232

<210> 1002
 <211> 467
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 1002
ggagctcctg ctnagtcn aactgaggac tttacanag gaaggaaac tcaactagac 60
cacccatgt gtcataaaga acactgactt ggacccagaa gatctgtact cacgtcctaa 120
ttcttcatt taacaagctt tgtggcctt gagaactgg ctgacatccc tgagcttcag 180
tttccaccc ttgtaaaatga tgcagtttga ctttcactt ggtcctcaaa ccttgcgtc 240
atgcattcta tcaacgtttg aactctgtcc ttaccagcca gtttcatccc cactctgatt 300
nctccctt ccaaccaaag aataaaagca gcaagcaaga aatctcctt tccaagcatg 360
acacttacat gtttataggc tgnctatggc cctttcata atttgngctt ttcaattttt 420
tttctggat ttaagttta aaagaataaa ttttatcatg aatctat 467

<210> 1003
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 1003
aaangcatgg ctntgctcc tcatttgaag cccactcang attgataata aagaaagtaa 60
cttgaagta aacagggcca gtcttatgag tcttggagta ataaaatgat tctgtgctt 120
gctc 124

<210> 1004
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 1004
actggacaag ccggcaccac cccatgattc aaggatggcc atagccatgt gcaggagcag 60
atttgcctcc agttgcctt tcctccttagc tgaactccag gctccagccc agagaagcaa 120
gaaaagagca aacagaagtt attcacatgt gcatcagaca cgcaatccat accacagcca 180
ccagggtgat tgtccagggtt gtatttctgc tgacatcgac cttcatgcc ttcctttgt 240
tgacccttcc agctacacct agctcggtcc tcttcagagc cacgccaaca cccaggttcc 300
tctgcagtgc atccccatgg ggatttaccc ggccccacca tgccagacca tcgttggtgg 360
acctcatcac cagcatgaag tggcttgc gagttgtcga ctgactagtt cacaattagt 420
gactcatagc atctcactna tttctttca tcaagtagga ggnagcaagt ctgcactttt 480
gcatcacatt taaaaanat ctggnggtt gttttttgc cccaaactaa 530

<210> 1005
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1005
gggggagaca gagtctcaact atgtcaactga agctggagtg caatggcatg atctcagctc 60
actgcaacct ctgcctccca ggttcaagtg actctcttgc ctcagcctcc tgagatgtgc 120
tccaccatgc ctgggaaatt tttcttattt tagtagagac agggttccac catgttggcc 180
aggctggctc cgaactcctg acctcgat ccacccacca tggcattcca aagtgtggg 240
attataggcg cgagctgctg cacctggccc cggttcaactc ttgtgacaaa ttcttcatt 300
tgacaaaata aaagaaagaa tttcagtaca aaaatc 336

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<210> 1006
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (534)
<223> n = A,T,C or G

<400> 1006
acagattctt gctctgtccg accaggctgg agtgcagtgg cccgatctca gtcactgca 60
acgtccaccccccagttca agcaattctt cggcctcagc ctccgtgat gctgggatta 120
cagatgtccc ccaccacgtc cggttaattt ttgtatTTT agtagagacg gggttacacc 180
atgttagcca ggctggtcat gaactcctga cctcatgatc tgcccactt gacccccaa 240
agtgcgtgaga ttacaggcgt gagccaccac gcccagctga aactgttctt taaaactgggt 300
agoctataacc aatgttaaggc aatgttgagg agtagatgcg gctctttcc tcaaagagag 360
atccagaaaa ggcttctgaa aacccaagac acttgaagat cattgtcctc tancaagtct 420
gaacaccatg gagaggccac agctgtgaaa aaaagaaaaan gatggggcccc ggtttacca 480
angggccnt tcctggaatg aaaagggaaa aaaccnnctt taaaaaaaaag agcc 534

<210> 1007
<211> 276
<212> DNA
<213> Homo sapiens

<400> 1007
atgctcaccc ttggaatcaa gctgccatac tgtgaggaag ctcaggctac atggagctgt 60
cacatgggtc tggccaagac agtccagcca acctctcagc caacagctag catcaaagcc 120
cagaatgtg aggagcaag ctttgatg attccagcaa ccagctttg agctcccccc 180
actgagattc catggtgca cctggggca cagagacaag ctgccccacc acgcctttc 240
tgaattcctg acctgaagaa taaatgtatgt taagcc 276

<210> 1008
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (327)
<223> n = A,T,C or G

<400> 1008
cncctaaanc agggactggg gcttgcagn tttggaaaaa ttgcgtnggn taattgttt 60
aagnncggga aaaaaaaaaaag ccacctggcc ccagggtcaa aacctttgat tgaananagc 120
nccnctaaa aaactgtttt gcagaatcaa atgccacaga naagcanggt aaaatcaggg 180
gtggaaaaaa gaaccgcotg gggtccctgg tcacttttgc tcctcatgtt tccctggca 240
ttaataagaa atttaccana atgcntttc gatnggatac caaagaagac attctgggt 300
taataaaaata accttttgtt aattatg 327

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